

ASR Registration Search

Registration 1034212 [Map Registration](#)**Exhibit 13.1****Copy of Antenna Structure Registration****Registration Detail**

Reg Number	1034212	Status	Constructed
File Number	A0097070	Constructed	01/01/1996
EMI	No	Dismantled	
NEPA	No		

Antenna Structure

Structure Type 2TA2 - Antenna Tower Array - 1st N = # towers 2nd N =

Location (in NAD83 Coordinates)

Lat/Long	44-11-45.0 N 088-30-28.0 W	Address	TWR 2 - 134 S FIELDCREST
City, State	NEENAH , WI		
Zip	54956	County	WINNEBAGO
Center of AM Array	44-11-50.0 N 088-30-30.0 W	Position of Tower in Array	

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
243.8	62.8
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
306.6	62.0

Painting and Lighting Specifications

FCC Paragraphs 1, 3, 11, 21

FAA Notification

FAA Study	MSP-68-276-OE	FAA Issue Date	08/08/1968
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Owner & Contact Information

FRN	0002711737	Owner Entity Type
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Owner

MIDWEST COMMUNICATIONS, INC
 Attention To: GARY TESCH
 904 Grand Ave.
 Wausau , WI 54403

P: (715)842-1437
 F:
 E:

Contact

P:
 F:
 E:

Last Action Status

Status	Constructed	Received	09/24/1999
Purpose	Admin Update	Entered	09/24/1999

Exhibit 13.2

Vertical Plan of Antenna System

The site is located at 134 S. Fieldcrest,
city of Neenah, Winnebago County, Wisconsin.

Site Location (NAD 27)

NL: 44° 11' 45"

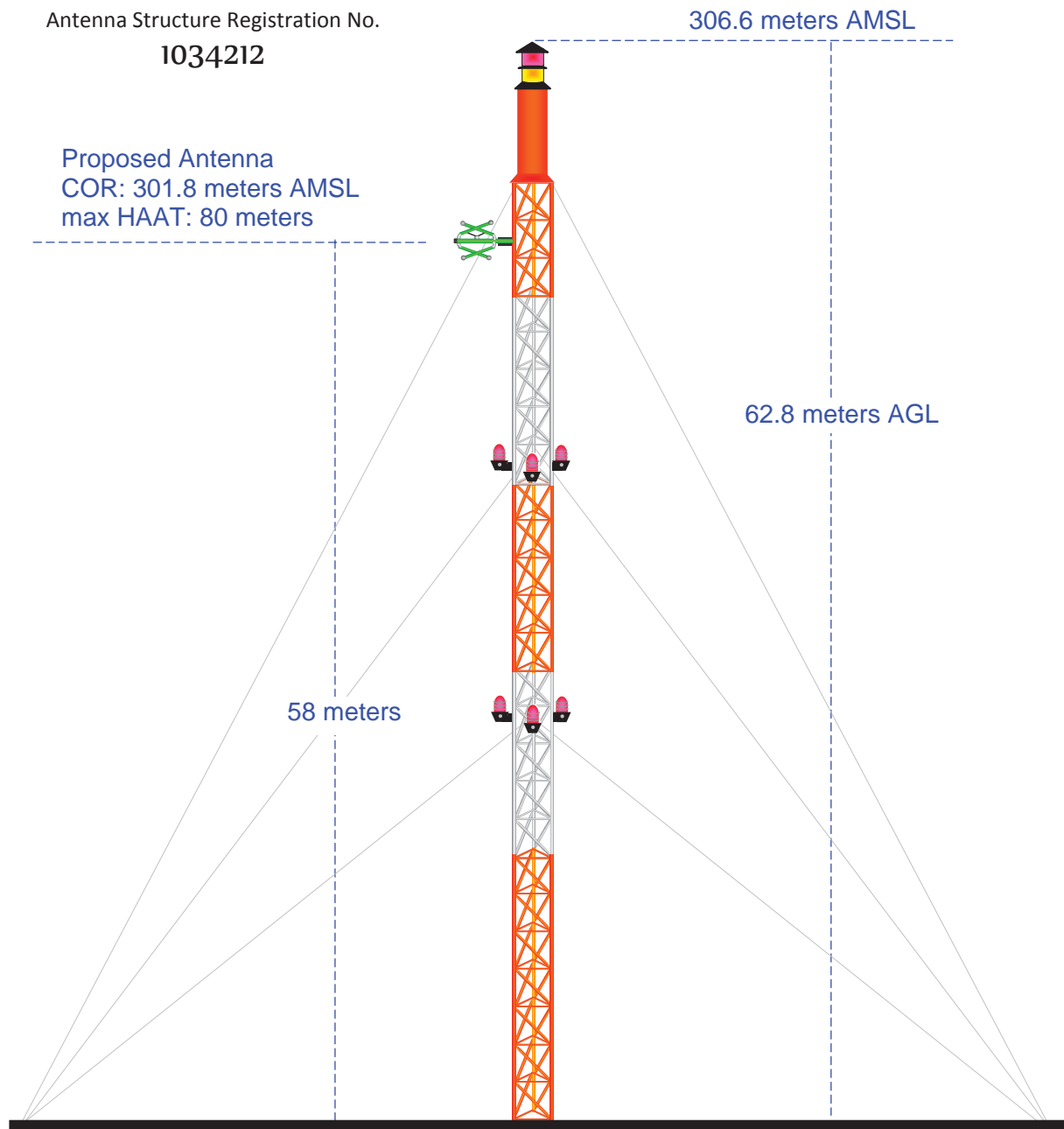
WL: 88° 30' 28"

(44-11-45.0 NL; 88-30-28.0 WL NAD1983)

NOTE: Existing Tower Construction

Antenna Structure Registration No.
1034212

Proposed Antenna
COR: 301.8 meters AMSL
max HAAT: 80 meters



Ground Elevation = 243.8 m AMSL
Drawing is not to Scale

MUNN-REESE, INC.
Broadcast Engineering Consultants
Coldwater, MI 49036

Exhibit 13.3 - Proposed vs Short Form Service Contour Study

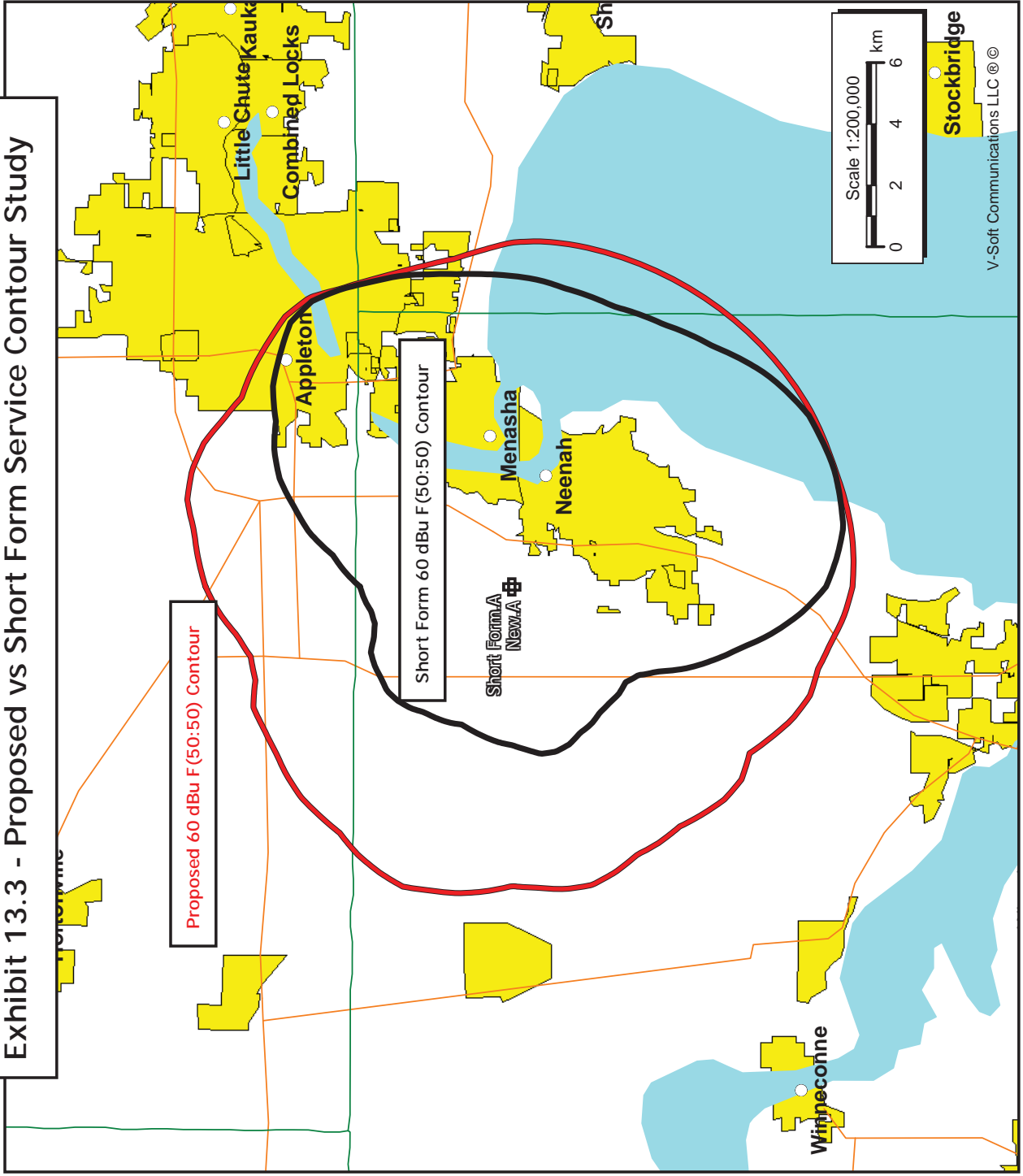
Short Form A
BNPFT20030317JUD
Latitude: 44-11-45 N
Longitude: 088-30-28 W
ERP: 0.25 kW
Channel: 251
Frequency: 98.1 MHz
AMSL Height: 302.0 m
Elevation: 244.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

New A
BNPFT20030317JUD
Latitude: 44-11-45 N
Longitude: 088-30-28 W
ERP: 0.25 kW
Channel: 251
Frequency: 98.1 MHz
AMSL Height: 302.0 m
Elevation: 237.8 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

2010 Census Data:

60 dBu F(50:50) Contour

Total Population: 104,635
Total Area: 346 sq. km



New.A
Neenah, WI
BNPFT20030317JUD
Latitude: 44-11-45 N
Longitude: 088-30-28 W
ERP: 0.25 kW
Channel: 251
Frequency: 98.1 MHz
AMSL Height: 302.0 m
Elevation: 237.8 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

WROE
New London, WI
BLH19890911KB
Latitude: 44-32-47 N
Longitude: 088-32-57 W
ERP: 50.00 kW
Channel: 228
Frequency: 93.5 MHz
AMSL Height: 388.0 m
Elevation: 236.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Exhibit 13.4 - Primary vs Proposed Service Contour Study

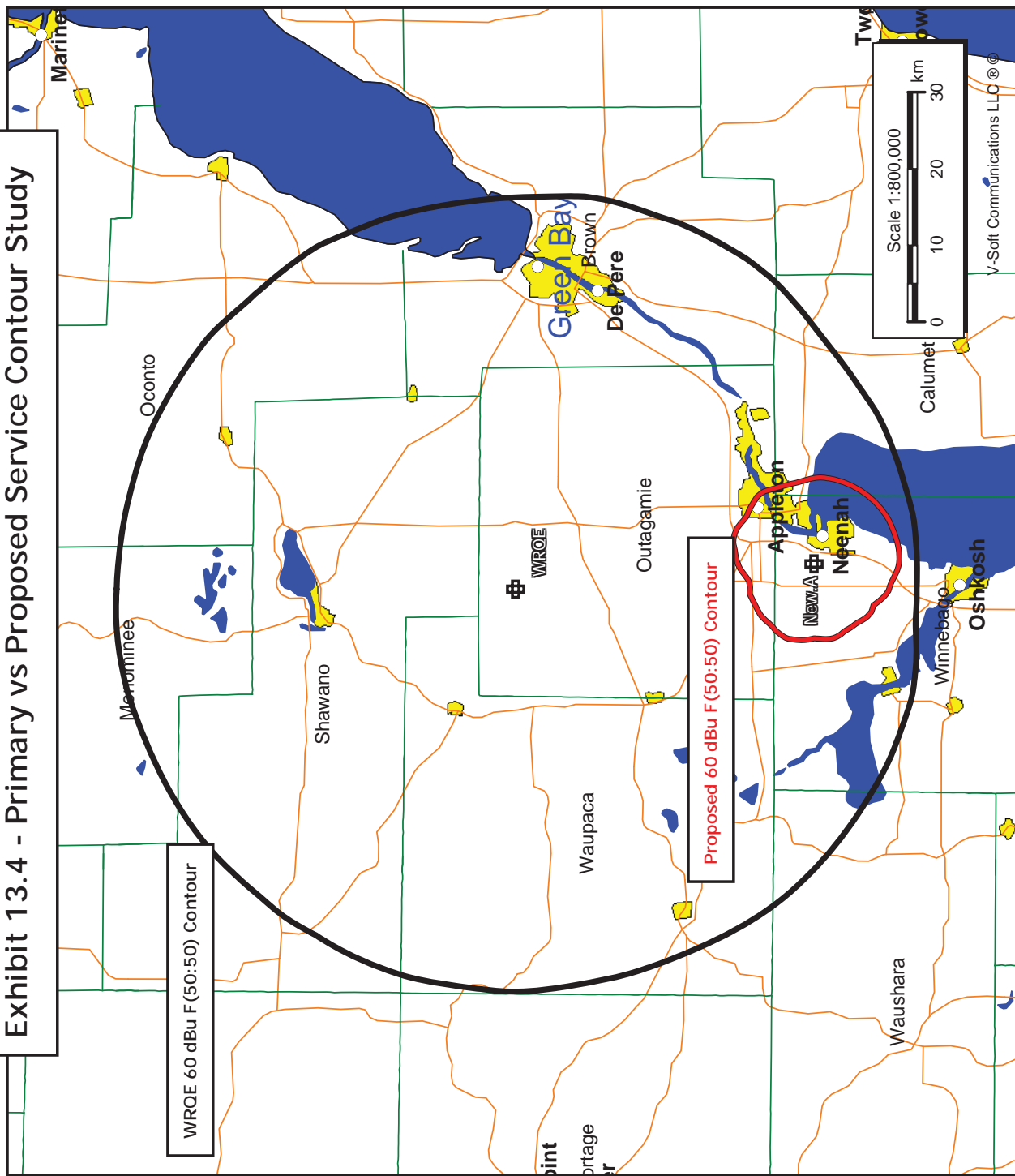


Exhibit 13.5

Tabulation of Proposed Allocation

Munn-Reese, Inc.
Coldwater, MI 49036

Midwest Communications, Inc.													
REFERENCE		CH#	251D	- 98.1 MHz, Pwr= 0.25 kW, HAAT= 64.4 M, COR= 302 M							DISPLAY DATES		
44 11 45.0 N.		Average Protected F(50-50)= 10.5 km										DATA 08-14-13	
88 30 28.0 W.		Omni -di recti onal										SEARCH 08-14-13	
CH	CALL	TYPE	ANT	AZI	DIST	LAT	PWR(kW)	INT(km)	PRO(km)	*IN*	*OUT*		
CITY		STATE		<--	FILE #	LNG	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)			
251D	637599	APP DC_		0.0	0.00	44 11 45.0	0.250	15.9	4.9	-25.8*<	-38.3*<		
Neenah		WI		0.0	BNPFT20030317JUD	88 30 28.0	63	302	Midwest Communications, In				
251A	WLKN	LIC NC_		111.4	63.79	43 59 03.0	5.800	77.5	21.6	-25.0*<	3.5		
Cleveland		WI		291.9	BLH19991025AET	87 45 55.0	89	310	Seehafer Broadcasting Corp				
253C1	WOLH	LIC_CN		30.4	57.94	44 38 41.0	100.000	6.7	56.5	40.4	0.4		
Green Bay		WI		210.7	BMLH19910422KJ	88 08 13.0	152	367	Citicasters Licenses, Inc.				
249D	629393	APP_C_		44.5	12.92	44 16 43.0	0.075	0.6	5.2	1.1	6.6		
Appleton		WI		224.6	BNPFT20030310BCK	88 23 38.0	32	262	Vcy America, Inc.				
250C1	WSPT	LIC_CN		294.1	94.43	44 32 17.0	100.000	80.1	50.7	4.1	29.5		
Stevens Point		WI		113.4	BLH19961015KB	89 35 43.0	103	436	Muzzy Broadcast Group, Lic				
251B	WMGN	LIC_CX		207.4	154.03	42 57 46.0	36.000	135.8	66.5	8.3	37.8		
Madison		WI		26.8	BLH20061121ABB	89 22 47.0	176	463	Mid-west Management, Inc.				
248A	WTAQ-FM	LIC_CX		59.5	46.30	44 24 21.0	3.000	2.7	30.8	32.3	14.4		
Glenmore		WI		239.9	BLH20100209AAC	88 00 19.0	143	371	Midwest Communications, In				
249C3	WFDL-FM	LIC_ZCX		174.9	60.49	43 39 14.0	17.500	3.7	38.4	45.6	21.0		
Lomira		WI		354.9	BLH20020422AAE	88 26 25.0	122	421	Radio Plus Of Fond Du Lac,				
Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM													
Contour distances are on direct line to and from reference station. Reference zone= East Zone, Co to 3rd adjacent.													
All separation margins (if shown) include rounding													
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)													
***affixed to 'IN' or 'OUT' values = site inside protected contour.													
< = Contour Overlap													

Blue Highlighted Text denotes Auction 83 Application facility to be modified by this Form 349 Long Form filing. This facility need not be protected.

Green Highlighted Text denotes supplemental contour protection studies towards select facilities as included in **Exhibit(s) 13.6(a) - 13.6(d)**.

Exhibit 13.6(a)

Midwest Communications, Inc.

Protection to WLKN(FM) - Cleveland, WI

FMCommander Single Allocation Study - 08-14-2013 - NGDC 30 SEC

New's Overlaps (In= -25.0 km, Out= 3.53 km)

New CH 251 D

Lat= 44 11 45.0, Lng= 88 30 28.0

0.25 kW 64.4 M HAAT, 302 M COR

Prot.= 60 dBu, Intef.= 40 dBu

WLKN CH 251 A 73.215 N BLH19991025AET

Lat= 43 59 03.0, Lng= 87 45 55.0

5.8 kW 89 M HAAT, 310 M COR

Prot.= 60 dBu, Intef.= 40 dBu

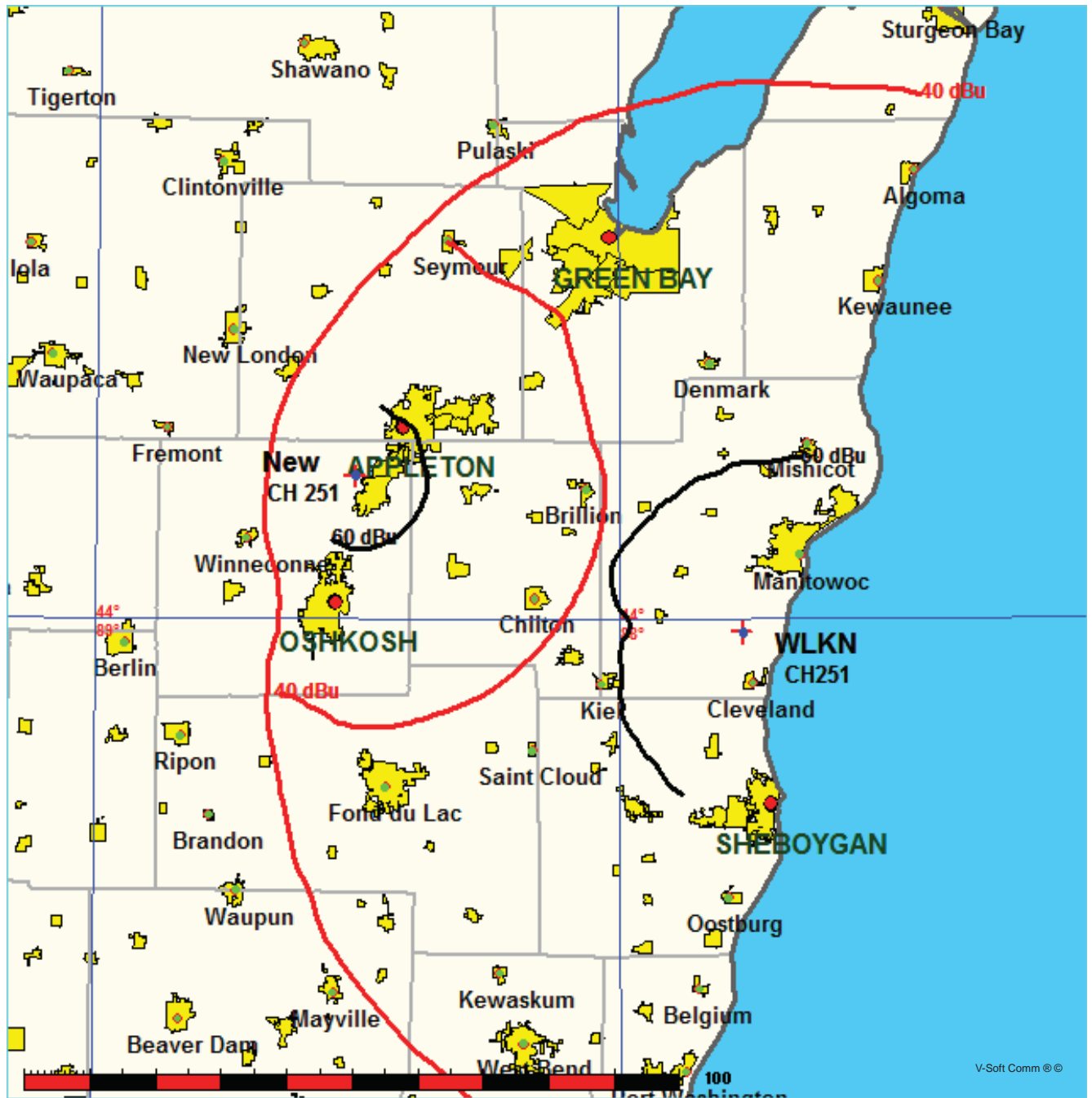


Exhibit 13.6(a) - Protection to WLKN(FM) - Cleveland, WI

08-14-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

New

WLKN BLH19991025AET

Channel = 251D

Max ERP = 0.25 kW

RCAMSL = 302 M

N. Lat. 44 11 45.0

W. Lng. 88 30 28.0

Protected
60 dBu

Channel = 251A

Max ERP = 5.8 kW

RCAMSL = 310 M

N. Lat. 43 59 03.0

W. Lng. 87 45 55.0

Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
066.0	000.2500	0071.1	011.0	299.8	005.8000	0060.5	056.7	45.82*	21.80
067.0	000.2500	0070.6	010.9	299.7	005.8000	0060.5	056.5	45.87*	21.94
068.0	000.2500	0070.3	010.9	299.5	005.8000	0060.5	056.4	45.91*	22.08
069.0	000.2500	0070.1	010.9	299.4	005.8000	0060.5	056.3	45.96*	22.23
070.0	000.2500	0069.9	010.9	299.3	005.8000	0060.5	056.1	46.00*	22.36
071.0	000.2500	0069.5	010.9	299.1	005.8000	0060.6	056.0	46.04*	22.49
072.0	000.2500	0069.2	010.8	299.0	005.8000	0060.6	055.9	46.08*	22.62
073.0	000.2500	0069.0	010.8	298.8	005.8000	0060.6	055.8	46.12*	22.75
074.0	000.2500	0069.0	010.8	298.7	005.8000	0060.6	055.6	46.17*	22.88
075.0	000.2500	0069.1	010.8	298.5	005.8000	0060.6	055.5	46.21*	23.02
076.0	000.2500	0069.2	010.8	298.4	005.8000	0060.6	055.4	46.25*	23.16
077.0	000.2500	0069.2	010.8	298.3	005.8000	0060.6	055.2	46.29*	23.28
078.0	000.2500	0069.1	010.8	298.1	005.8000	0060.6	055.1	46.33*	23.40
079.0	000.2500	0069.1	010.8	298.0	005.8000	0060.6	055.0	46.36*	23.51
080.0	000.2500	0069.2	010.8	297.8	005.8000	0060.6	054.9	46.40*	23.63
081.0	000.2500	0069.4	010.8	297.6	005.8000	0060.6	054.8	46.44*	23.75
082.0	000.2500	0069.8	010.9	297.5	005.8000	0060.6	054.6	46.48*	23.88
083.0	000.2500	0070.3	010.9	297.4	005.8000	0060.5	054.5	46.52*	24.01
084.0	000.2500	0070.8	010.9	297.2	005.8000	0060.5	054.4	46.56*	24.14
085.0	000.2500	0071.5	011.0	297.1	005.8000	0060.5	054.2	46.60*	24.27
086.0	000.2500	0072.3	011.0	296.9	005.8000	0060.4	054.1	46.64*	24.40
087.0	000.2500	0073.0	011.1	296.8	005.8000	0060.4	053.9	46.68*	24.53
088.0	000.2500	0073.6	011.1	296.6	005.8000	0060.3	053.8	46.72*	24.65
089.0	000.2500	0074.1	011.2	296.4	005.8000	0060.3	053.7	46.75*	24.75
090.0	000.2500	0074.5	011.2	296.3	005.8000	0060.2	053.6	46.78*	24.85
091.0	000.2500	0075.0	011.2	296.1	005.8000	0060.1	053.5	46.81*	24.95
092.0	000.2500	0075.4	011.3	295.9	005.8000	0060.0	053.3	46.83*	25.03
093.0	000.2500	0075.5	011.3	295.7	005.8000	0059.9	053.3	46.85*	25.09
094.0	000.2500	0075.6	011.3	295.5	005.8000	0059.8	053.2	46.86*	25.15
095.0	000.2500	0075.7	011.3	295.3	005.8000	0059.7	053.1	46.88*	25.19
096.0	000.2500	0075.8	011.3	295.1	005.8000	0059.6	053.0	46.89*	25.24
097.0	000.2500	0075.9	011.3	294.9	005.8000	0059.4	053.0	46.89*	25.27
098.0	000.2500	0076.0	011.3	294.7	005.8000	0059.3	052.9	46.90*	25.30
099.0	000.2500	0076.0	011.3	294.5	005.8000	0059.1	052.9	46.90*	25.31
100.0	000.2500	0076.0	011.3	294.3	005.8000	0058.9	052.8	46.90*	25.32
101.0	000.2500	0076.0	011.3	294.1	005.8000	0058.7	052.8	46.89*	25.32

Exhibit 13.6(a) - Protection to WLKN(FM) - Cleveland, WI

FMOver Analysis

Page # 2

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	
102.0	000.2500	0076.0	011.3	293.9	005.8000	0058.5	052.7	46.88*	25.31
103.0	000.2500	0076.0	011.3	293.7	005.8000	0058.3	052.7	46.87*	25.30
104.0	000.2500	0076.0	011.3	293.5	005.8000	0058.1	052.6	46.86*	25.28
105.0	000.2500	0076.0	011.3	293.3	005.8000	0057.9	052.6	46.85*	25.25
106.0	000.2500	0076.0	011.3	293.1	005.8000	0057.6	052.6	46.83*	25.22
107.0	000.2500	0076.0	011.3	292.8	005.8000	0057.4	052.6	46.81*	25.17
108.0	000.2500	0076.0	011.3	292.6	005.8000	0057.1	052.6	46.79*	25.13
109.0	000.2500	0076.0	011.3	292.4	005.8000	0056.9	052.5	46.76*	25.08
110.0	000.2500	0076.0	011.3	292.2	005.8000	0056.6	052.5	46.74*	25.02
111.0	000.2500	0076.0	011.3	292.0	005.8000	0056.4	052.5	46.71*	24.97
112.0	000.2500	0076.0	011.3	291.8	005.8000	0056.2	052.5	46.69*	24.91
113.0	000.2500	0076.0	011.3	291.5	005.8000	0055.9	052.5	46.66*	24.85
114.0	000.2500	0076.0	011.3	291.3	005.8000	0055.7	052.5	46.64*	24.79
115.0	000.2500	0076.0	011.3	291.1	005.8000	0055.5	052.6	46.61*	24.72
116.0	000.2500	0076.0	011.3	290.9	005.8000	0055.3	052.6	46.58*	24.65
117.0	000.2500	0076.0	011.3	290.7	005.8000	0055.1	052.6	46.55*	24.57
118.0	000.2500	0076.0	011.3	290.5	005.8000	0054.9	052.6	46.52*	24.49
119.0	000.2500	0076.0	011.3	290.3	005.8000	0054.7	052.6	46.49*	24.41
120.0	000.2500	0076.0	011.3	290.1	005.8000	0054.5	052.7	46.45*	24.32
121.0	000.2500	0076.0	011.3	289.8	005.8000	0054.2	052.7	46.42*	24.23
122.0	000.2500	0076.0	011.3	289.6	005.8000	0054.0	052.8	46.38*	24.14
123.0	000.2500	0076.0	011.3	289.4	005.8000	0053.8	052.8	46.35*	24.04
124.0	000.2500	0076.0	011.3	289.2	005.8000	0053.6	052.9	46.31*	23.94
125.0	000.2500	0076.0	011.3	289.0	005.8000	0053.5	052.9	46.27*	23.83
126.0	000.2500	0076.0	011.3	288.8	005.8000	0053.3	053.0	46.23*	23.72
127.0	000.2500	0076.0	011.3	288.6	005.8000	0053.1	053.0	46.19*	23.61
128.0	000.2500	0076.0	011.3	288.4	005.8000	0052.9	053.1	46.15*	23.49
129.0	000.2500	0076.0	011.3	288.2	005.8000	0052.7	053.2	46.10*	23.37
130.0	000.2500	0076.0	011.3	288.0	005.8000	0052.5	053.2	46.06*	23.25
131.0	000.2500	0076.0	011.3	287.8	005.8000	0052.3	053.3	46.02*	23.12
132.0	000.2500	0076.0	011.3	287.6	005.8000	0052.2	053.4	45.97*	22.99
133.0	000.2500	0076.0	011.3	287.4	005.8000	0052.0	053.5	45.93*	22.86
134.0	000.2500	0076.0	011.3	287.2	005.8000	0051.8	053.6	45.88*	22.72
135.0	000.2500	0076.0	011.3	287.1	005.8000	0051.6	053.7	45.83*	22.58
136.0	000.2500	0076.0	011.3	286.9	005.8000	0051.5	053.8	45.79*	22.44
137.0	000.2500	0076.0	011.3	286.7	005.8000	0051.3	053.8	45.74*	22.30
138.0	000.2500	0076.0	011.3	286.5	005.8000	0051.1	054.0	45.69*	22.15
139.0	000.2500	0076.0	011.3	286.3	005.8000	0051.0	054.1	45.64*	21.99
140.0	000.2500	0076.0	011.3	286.2	005.8000	0050.8	054.2	45.58*	21.84
141.0	000.2500	0076.0	011.3	286.0	005.8000	0050.6	054.3	45.53*	21.68
142.0	000.2500	0076.0	011.3	285.8	005.8000	0050.5	054.4	45.48*	21.51
143.0	000.2500	0076.0	011.3	285.7	005.8000	0050.3	054.5	45.42*	21.34
144.0	000.2500	0076.0	011.3	285.5	005.8000	0050.1	054.6	45.37*	21.17
145.0	000.2500	0076.0	011.3	285.3	005.8000	0050.0	054.8	45.31*	20.99
146.0	000.2500	0076.0	011.3	285.2	005.8000	0049.8	054.9	45.25*	20.82
147.0	000.2500	0075.9	011.3	285.0	005.8000	0049.6	055.0	45.20*	20.64
148.0	000.2500	0075.8	011.3	284.9	005.8000	0049.5	055.2	45.14*	20.45
149.0	000.2500	0075.7	011.3	284.7	005.8000	0049.3	055.3	45.08*	20.27
150.0	000.2500	0075.6	011.3	284.6	005.8000	0049.2	055.4	45.02*	20.08
151.0	000.2500	0075.5	011.3	284.5	005.8000	0049.1	055.6	44.96*	19.89
152.0	000.2500	0075.4	011.3	284.3	005.8000	0048.9	055.7	44.90*	19.70

Exhibit 13.6(a) - Protection to WLKN(FM) - Cleveland, WI

08-14-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

WLKN BLH19991025AET

New

Channel = 251A

Max ERP = 5.8 kW

RCAMSL = 310 M

N. Lat. 43 59 03.0

W. Lng. 87 45 55.0

Protected

60 dBu

Channel = 251D

Max ERP = 0.25 kW

RCAMSL = 302 M

N. Lat. 44 11 45.0

W. Lng. 88 30 28.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
247.0	005.8000	0049.1	020.2	127.5	000.2500	0076.0	051.5	35.27	
248.0	005.8000	0048.4	020.1	127.1	000.2500	0076.0	051.3	35.35	
249.0	005.8000	0047.8	019.9	126.8	000.2500	0076.0	051.0	35.43	
250.0	005.8000	0047.3	019.8	126.5	000.2500	0076.0	050.8	35.51	
251.0	005.8000	0046.7	019.7	126.1	000.2500	0076.0	050.6	35.59	
252.0	005.8000	0046.2	019.6	125.8	000.2500	0076.0	050.4	35.66	
253.0	005.8000	0045.7	019.5	125.5	000.2500	0076.0	050.2	35.73	
254.0	005.8000	0045.3	019.4	125.1	000.2500	0076.0	049.9	35.80	
255.0	005.8000	0045.0	019.3	124.8	000.2500	0076.0	049.7	35.88	
256.0	005.8000	0044.9	019.3	124.6	000.2500	0076.0	049.5	35.96	
257.0	005.8000	0044.8	019.3	124.3	000.2500	0076.0	049.2	36.04	
258.0	005.8000	0044.7	019.2	124.0	000.2500	0076.0	049.0	36.12	
259.0	005.8000	0044.5	019.2	123.7	000.2500	0076.0	048.8	36.19	
260.0	005.8000	0044.1	019.1	123.3	000.2500	0076.0	048.6	36.25	
261.0	005.8000	0043.6	019.0	123.0	000.2500	0076.0	048.5	36.30	
262.0	005.8000	0043.0	018.8	122.6	000.2500	0076.0	048.4	36.34	
263.0	005.8000	0042.3	018.7	122.1	000.2500	0076.0	048.3	36.37	
264.0	005.8000	0042.0	018.6	121.8	000.2500	0076.0	048.2	36.41	
265.0	005.8000	0041.6	018.5	121.4	000.2500	0076.0	048.0	36.46	
266.0	005.8000	0041.1	018.4	121.0	000.2500	0076.0	047.9	36.49	
267.0	005.8000	0040.1	018.1	120.5	000.2500	0076.0	048.0	36.48	
268.0	005.8000	0039.0	017.9	120.0	000.2500	0076.0	048.0	36.46	
269.0	005.8000	0038.0	017.6	119.6	000.2500	0076.0	048.1	36.45	
270.0	005.8000	0037.2	017.4	119.1	000.2500	0076.0	048.1	36.44	
271.0	005.8000	0037.1	017.4	118.8	000.2500	0076.0	048.0	36.48	
272.0	005.8000	0036.9	017.4	118.4	000.2500	0076.0	047.8	36.52	
273.0	005.8000	0036.8	017.3	118.1	000.2500	0076.0	047.7	36.56	
274.0	005.8000	0036.9	017.3	117.8	000.2500	0076.0	047.6	36.61	
275.0	005.8000	0037.4	017.5	117.5	000.2500	0076.0	047.4	36.69	

Exhibit 13.6(a) - Protection to WLKN(FM) - Cleveland, WI

FMOver Analysis

Page # 4

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
276.0	005.8000	0038.1	017.6	117.2	000.2500	0076.0	047.1	36.79
277.0	005.8000	0039.1	017.9	117.0	000.2500	0076.0	046.7	36.90
278.0	005.8000	0040.4	018.2	116.8	000.2500	0076.0	046.3	37.05
279.0	005.8000	0042.1	018.6	116.6	000.2500	0076.0	045.8	37.22
280.0	005.8000	0043.9	019.0	116.3	000.2500	0076.0	045.3	37.40
281.0	005.8000	0045.4	019.4	116.0	000.2500	0076.0	044.9	37.56
282.0	005.8000	0046.5	019.7	115.7	000.2500	0076.0	044.6	37.68
283.0	005.8000	0047.6	019.9	115.3	000.2500	0076.0	044.3	37.80
284.0	005.8000	0048.6	020.1	114.9	000.2500	0076.0	044.0	37.90
285.0	005.8000	0049.6	020.3	114.5	000.2500	0076.0	043.7	38.01
286.0	005.8000	0050.7	020.5	114.1	000.2500	0076.0	043.4	38.11
287.0	005.8000	0051.6	020.7	113.7	000.2500	0076.0	043.2	38.20
288.0	005.8000	0052.5	020.9	113.2	000.2500	0076.0	043.0	38.29
289.0	005.8000	0053.4	021.1	112.8	000.2500	0076.0	042.7	38.37
290.0	005.8000	0054.4	021.3	112.3	000.2500	0076.0	042.5	38.45
291.0	005.8000	0055.4	021.5	111.8	000.2500	0076.0	042.3	38.52
292.0	005.8000	0056.4	021.7	111.3	000.2500	0076.0	042.1	38.60
293.0	005.8000	0057.6	021.9	110.8	000.2500	0076.0	041.9	38.67
294.0	005.8000	0058.6	022.1	110.2	000.2500	0076.0	041.8	38.74
295.0	005.8000	0059.5	022.2	109.7	000.2500	0076.0	041.7	38.78
296.0	005.8000	0060.1	022.3	109.1	000.2500	0076.0	041.6	38.80
297.0	005.8000	0060.4	022.3	108.6	000.2500	0076.0	041.6	38.80
298.0	005.8000	0060.6	022.4	108.1	000.2500	0076.0	041.6	38.79
299.0	005.8000	0060.6	022.4	107.5	000.2500	0076.0	041.7	38.76
300.0	005.8000	0060.4	022.3	107.0	000.2500	0076.0	041.8	38.72
301.0	005.8000	0060.2	022.3	106.5	000.2500	0076.0	041.9	38.68
302.0	005.8000	0060.0	022.3	106.0	000.2500	0076.0	042.1	38.62
303.0	005.8000	0059.7	022.2	105.5	000.2500	0076.0	042.2	38.57
304.0	005.8000	0059.5	022.2	105.0	000.2500	0076.0	042.4	38.51
305.0	005.8000	0059.3	022.2	104.6	000.2500	0076.0	042.5	38.45
306.0	005.8000	0059.1	022.1	104.1	000.2500	0076.0	042.7	38.39
307.0	005.8000	0059.1	022.1	103.6	000.2500	0076.0	042.8	38.33
308.0	005.8000	0059.0	022.1	103.1	000.2500	0076.0	043.0	38.27
309.0	005.8000	0059.1	022.1	102.7	000.2500	0076.0	043.2	38.21
310.0	005.8000	0059.2	022.2	102.2	000.2500	0076.0	043.3	38.15
311.0	005.8000	0059.5	022.2	101.7	000.2500	0076.0	043.5	38.10
312.0	005.8000	0059.6	022.2	101.3	000.2500	0076.0	043.6	38.03
313.0	005.8000	0059.5	022.2	100.8	000.2500	0076.0	043.9	37.95
314.0	005.8000	0059.1	022.1	100.5	000.2500	0076.0	044.1	37.85
315.0	005.8000	0058.6	022.1	100.1	000.2500	0076.0	044.4	37.75
316.0	005.8000	0058.3	022.0	099.7	000.2500	0076.0	044.7	37.65
317.0	005.8000	0058.2	022.0	099.4	000.2500	0076.0	044.9	37.56
318.0	005.8000	0058.5	022.0	098.9	000.2500	0076.0	045.1	37.49
319.0	005.8000	0058.9	022.1	098.5	000.2500	0076.0	045.3	37.43
320.0	005.8000	0059.2	022.1	098.1	000.2500	0076.0	045.5	37.34
321.0	005.8000	0059.3	022.2	097.7	000.2500	0076.0	045.7	37.25
322.0	005.8000	0059.6	022.2	097.3	000.2500	0075.9	046.0	37.17
323.0	005.8000	0060.3	022.3	096.9	000.2500	0075.9	046.2	37.10
324.0	005.8000	0061.1	022.4	096.4	000.2500	0075.9	046.4	37.02
325.0	005.8000	0061.9	022.6	096.0	000.2500	0075.8	046.6	36.95
326.0	005.8000	0062.6	022.7	095.6	000.2500	0075.8	046.8	36.86

Exhibit 13.6(b)

Midwest Communications, Inc.

Protection to WQLH(FM) - Green Bay, WI

FMCommander Single Allocation Study - 08-14-2013 - NGDC 30 SEC

New's Overlaps (In= 40.36 km, Out= 0.39 km)

New CH 251 D

Lat= 44 11 45.0, Lng= 88 30 28.0

0.25 kW 64.4 M HAAT, 302 M COR

Prot.= 60 dBu, Intef.= 100 dBu

WQLH CH 253 C1 BMLH19910422KJ

Lat= 44 38 41.0, Lng= 88 08 13.0

100.0 kW 152 M HAAT, 367 M COR

Prot.= 60 dBu, Intef.= 100 dBu

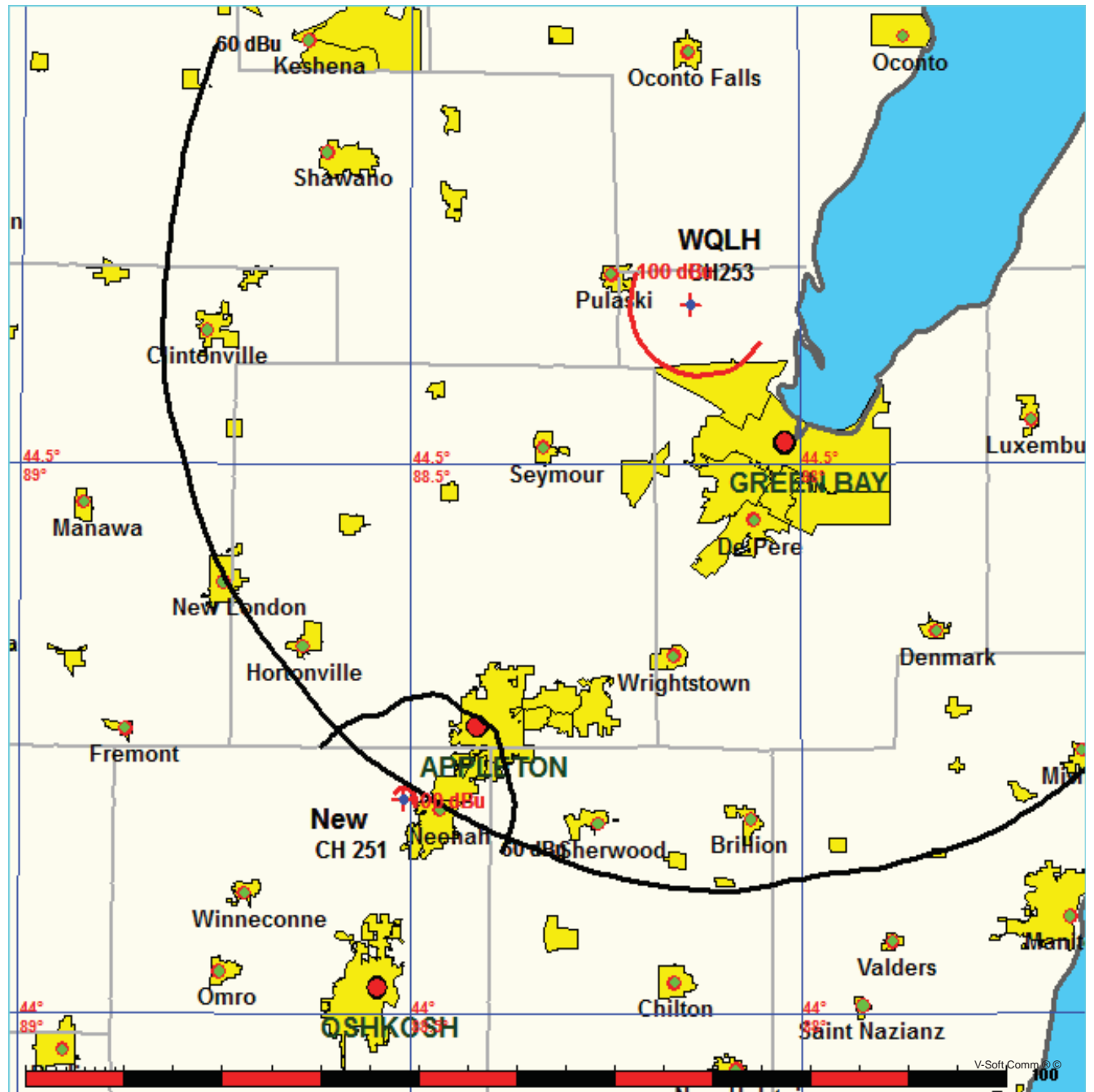


Exhibit 13.6(b) - Protection to WQLH(FM) - Green Bay, WI

08-14-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

New

WQLH BMLH19910422KJ

Channel = 251D

Max ERP = 0.25 kW

RCAMSL = 302 M

N. Lat. 44 11 45.0

W. Lng. 88 30 28.0

Protected

60 dBu

Channel = 253C1

Max ERP = 100 kW

RCAMSL = 367 M

N. Lat. 44 38 41.0

W. Lng. 88 08 13.0

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
345.0	000.2500	0045.6	008.8	217.6	100.0000	0136.0	052.1	65.15	
346.0	000.2500	0045.7	008.8	217.5	100.0000	0136.0	052.0	65.20	
347.0	000.2500	0046.2	008.9	217.4	100.0000	0136.1	051.9	65.26	
348.0	000.2500	0046.9	008.9	217.4	100.0000	0136.1	051.7	65.33	
349.0	000.2500	0047.6	009.0	217.3	100.0000	0136.1	051.5	65.39	
350.0	000.2500	0048.3	009.1	217.3	100.0000	0136.1	051.4	65.46	
351.0	000.2500	0049.2	009.2	217.2	100.0000	0136.1	051.2	65.53	
352.0	000.2500	0049.9	009.3	217.2	100.0000	0136.1	051.0	65.60	
353.0	000.2500	0050.9	009.4	217.1	100.0000	0136.1	050.8	65.67	
354.0	000.2500	0052.0	009.5	217.1	100.0000	0136.2	050.6	65.75	
355.0	000.2500	0053.1	009.6	217.0	100.0000	0136.2	050.4	65.82	
356.0	000.2500	0053.8	009.6	216.9	100.0000	0136.2	050.3	65.88	
357.0	000.2500	0054.5	009.7	216.8	100.0000	0136.2	050.1	65.95	
358.0	000.2500	0055.4	009.8	216.7	100.0000	0136.2	050.0	66.01	
359.0	000.2500	0056.4	009.9	216.6	100.0000	0136.3	049.8	66.08	
000.0	000.2500	0057.5	010.0	216.5	100.0000	0136.3	049.6	66.15	
001.0	000.2500	0058.4	010.0	216.4	100.0000	0136.3	049.4	66.22	
002.0	000.2500	0059.3	010.1	216.3	100.0000	0136.3	049.3	66.28	
003.0	000.2500	0059.9	010.2	216.1	100.0000	0136.3	049.1	66.34	
004.0	000.2500	0060.6	010.2	216.0	100.0000	0136.4	049.0	66.39	
005.0	000.2500	0060.9	010.2	215.8	100.0000	0136.4	048.9	66.44	
006.0	000.2500	0061.5	010.3	215.7	100.0000	0136.4	048.8	66.49	
007.0	000.2500	0062.1	010.3	215.5	100.0000	0136.4	048.6	66.54	
008.0	000.2500	0062.6	010.4	215.3	100.0000	0136.4	048.5	66.58	
009.0	000.2500	0063.4	010.4	215.2	100.0000	0136.4	048.4	66.63	
010.0	000.2500	0064.6	010.5	215.0	100.0000	0136.4	048.2	66.69	
011.0	000.2500	0065.9	010.6	214.9	100.0000	0136.4	048.1	66.76	
012.0	000.2500	0067.2	010.7	214.7	100.0000	0136.4	047.9	66.82	
013.0	000.2500	0068.5	010.8	214.6	100.0000	0136.4	047.8	66.88	
014.0	000.2500	0069.7	010.9	214.4	100.0000	0136.4	047.6	66.93	
015.0	000.2500	0070.7	010.9	214.2	100.0000	0136.4	047.5	66.98	
016.0	000.2500	0071.5	011.0	214.0	100.0000	0136.4	047.4	67.03	
017.0	000.2500	0072.0	011.0	213.8	100.0000	0136.3	047.3	67.06	
018.0	000.2500	0072.2	011.0	213.6	100.0000	0136.2	047.2	67.08	
019.0	000.2500	0072.4	011.1	213.3	100.0000	0136.2	047.2	67.10	
020.0	000.2500	0072.7	011.1	213.1	100.0000	0136.1	047.1	67.13	

Exhibit 13.6(b) - Protection to WQLH(FM) - Green Bay, WI

FMOver Analysis

Page # 2

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
021.0	000.2500	0073.2	011.1	212.9	100.0000	0136.0	047.0	67.15
022.0	000.2500	0073.6	011.1	212.7	100.0000	0135.9	046.9	67.17
023.0	000.2500	0073.6	011.1	212.4	100.0000	0135.8	046.9	67.18
024.0	000.2500	0073.1	011.1	212.2	100.0000	0135.7	046.9	67.17
025.0	000.2500	0072.5	011.1	211.9	100.0000	0135.6	046.9	67.16
026.0	000.2500	0071.9	011.0	211.7	100.0000	0135.5	047.0	67.15
027.0	000.2500	0071.5	011.0	211.5	100.0000	0135.5	047.0	67.14
028.0	000.2500	0071.0	011.0	211.2	100.0000	0135.4	047.0	67.13
029.0	000.2500	0070.4	010.9	211.0	100.0000	0135.4	047.0	67.11
030.0	000.2500	0069.6	010.9	210.8	100.0000	0135.4	047.1	67.09
031.0	000.2500	0068.8	010.8	210.5	100.0000	0135.4	047.1	67.07
032.0	000.2500	0068.1	010.8	210.3	100.0000	0135.4	047.2	67.05
033.0	000.2500	0067.6	010.7	210.1	100.0000	0135.4	047.2	67.04
034.0	000.2500	0067.6	010.7	209.9	100.0000	0135.5	047.2	67.03
035.0	000.2500	0067.9	010.7	209.6	100.0000	0135.6	047.2	67.04
036.0	000.2500	0068.4	010.8	209.4	100.0000	0135.7	047.2	67.05
037.0	000.2500	0069.1	010.8	209.2	100.0000	0135.8	047.2	67.07
038.0	000.2500	0070.0	010.9	208.9	100.0000	0135.9	047.2	67.09
039.0	000.2500	0070.9	011.0	208.7	100.0000	0136.1	047.1	67.10
040.0	000.2500	0071.8	011.0	208.4	100.0000	0136.2	047.1	67.12
041.0	000.2500	0072.7	011.1	208.2	100.0000	0136.3	047.1	67.14
042.0	000.2500	0073.6	011.1	207.9	100.0000	0136.5	047.1	67.15
043.0	000.2500	0074.3	011.2	207.7	100.0000	0136.6	047.1	67.16
044.0	000.2500	0074.7	011.2	207.5	100.0000	0136.7	047.1	67.15
045.0	000.2500	0075.0	011.2	207.2	100.0000	0136.9	047.1	67.14
046.0	000.2500	0075.4	011.3	207.0	100.0000	0137.0	047.2	67.13
047.0	000.2500	0075.9	011.3	206.8	100.0000	0137.1	047.2	67.13
048.0	000.2500	0076.6	011.3	206.5	100.0000	0137.3	047.2	67.13
049.0	000.2500	0077.6	011.4	206.3	100.0000	0137.4	047.3	67.13
050.0	000.2500	0078.6	011.5	206.0	100.0000	0137.6	047.3	67.13
051.0	000.2500	0079.7	011.6	205.7	100.0000	0137.8	047.3	67.13
052.0	000.2500	0080.4	011.6	205.5	100.0000	0137.9	047.3	67.12
053.0	000.2500	0080.4	011.6	205.3	100.0000	0138.0	047.4	67.09
054.0	000.2500	0079.8	011.6	205.1	100.0000	0138.2	047.6	67.04
055.0	000.2500	0078.7	011.5	204.9	100.0000	0138.3	047.7	66.99
056.0	000.2500	0077.7	011.4	204.8	100.0000	0138.4	047.9	66.93
057.0	000.2500	0076.7	011.3	204.6	100.0000	0138.5	048.1	66.87
058.0	000.2500	0075.8	011.3	204.4	100.0000	0138.5	048.2	66.81
059.0	000.2500	0075.0	011.2	204.3	100.0000	0138.6	048.4	66.76
060.0	000.2500	0074.3	011.2	204.1	100.0000	0138.7	048.5	66.70
061.0	000.2500	0073.7	011.1	204.0	100.0000	0138.8	048.7	66.65
062.0	000.2500	0073.1	011.1	203.8	100.0000	0138.8	048.8	66.59
063.0	000.2500	0072.7	011.1	203.7	100.0000	0138.9	049.0	66.54
064.0	000.2500	0072.2	011.0	203.5	100.0000	0138.9	049.1	66.48
065.0	000.2500	0071.6	011.0	203.4	100.0000	0139.0	049.3	66.42
066.0	000.2500	0071.1	011.0	203.3	100.0000	0139.0	049.4	66.36
067.0	000.2500	0070.6	010.9	203.1	100.0000	0139.1	049.6	66.31
068.0	000.2500	0070.3	010.9	203.0	100.0000	0139.1	049.7	66.25
069.0	000.2500	0070.1	010.9	202.8	100.0000	0139.2	049.9	66.20
070.0	000.2500	0069.9	010.9	202.7	100.0000	0139.2	050.0	66.14
071.0	000.2500	0069.5	010.9	202.6	100.0000	0139.3	050.2	66.08

Exhibit 13.6(b) - Protection to WQLH(FM) - Green Bay, WI

08-14-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

WQLH BMLH19910422KJ

New

Channel = 253C1

Max ERP = 100 kW

RCAMSL = 367 M

N. Lat. 44 38 41.0

W. Lng. 88 08 13.0

Protected

60 dBu

Channel = 251D

Max ERP = 0.25 kW

RCAMSL = 302 M

N. Lat. 44 11 45.0

W. Lng. 88 30 28.0

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
166.0	100.0000	0155.8	059.2	099.6	000.2500	0076.0	044.6	37.68	
167.0	100.0000	0154.8	059.1	100.0	000.2500	0076.0	043.5	38.07	
168.0	100.0000	0154.4	059.0	100.5	000.2500	0076.0	042.6	38.44	
169.0	100.0000	0154.6	059.1	101.1	000.2500	0076.0	041.6	38.80	
170.0	100.0000	0154.4	059.0	101.6	000.2500	0076.0	040.6	39.18	
171.0	100.0000	0154.2	059.0	102.1	000.2500	0076.0	039.7	39.56	
172.0	100.0000	0154.7	059.1	102.7	000.2500	0076.0	038.8	39.94	
173.0	100.0000	0155.5	059.2	103.4	000.2500	0076.0	037.8	40.33	
174.0	100.0000	0156.4	059.3	104.1	000.2500	0076.0	036.9	40.72	
175.0	100.0000	0157.0	059.4	104.8	000.2500	0076.0	036.0	41.12	
176.0	100.0000	0157.1	059.4	105.4	000.2500	0076.0	035.0	41.54	
177.0	100.0000	0156.9	059.4	105.9	000.2500	0076.0	034.0	41.97	
178.0	100.0000	0156.2	059.3	106.3	000.2500	0076.0	033.0	42.42	
179.0	100.0000	0155.1	059.1	106.7	000.2500	0076.0	032.0	42.89	
180.0	100.0000	0154.4	059.0	107.1	000.2500	0076.0	031.0	43.38	
181.0	100.0000	0153.7	058.9	107.5	000.2500	0076.0	030.0	43.91	
182.0	100.0000	0152.9	058.8	107.9	000.2500	0076.0	028.9	44.48	
183.0	100.0000	0152.0	058.7	108.2	000.2500	0076.0	027.9	45.09	
184.0	100.0000	0151.7	058.7	108.7	000.2500	0076.0	026.9	45.73	
185.0	100.0000	0151.0	058.6	109.0	000.2500	0076.0	025.9	46.40	
186.0	100.0000	0150.2	058.5	109.4	000.2500	0076.0	024.9	47.10	
187.0	100.0000	0149.2	058.4	109.6	000.2500	0076.0	023.9	47.84	
188.0	100.0000	0148.6	058.3	110.0	000.2500	0076.0	022.9	48.59	
189.0	100.0000	0148.2	058.2	110.4	000.2500	0076.0	021.9	49.37	
190.0	100.0000	0147.8	058.2	110.7	000.2500	0076.0	020.9	50.16	
191.0	100.0000	0147.0	058.1	111.0	000.2500	0076.0	019.9	50.98	
192.0	100.0000	0145.9	057.9	111.0	000.2500	0076.0	018.8	51.82	
193.0	100.0000	0144.5	057.7	110.9	000.2500	0076.0	017.8	52.68	
194.0	100.0000	0143.1	057.5	110.7	000.2500	0076.0	016.8	53.55	
195.0	100.0000	0142.1	057.4	110.6	000.2500	0076.0	015.8	54.43	
196.0	100.0000	0141.5	057.3	110.7	000.2500	0076.0	014.8	55.17	
197.0	100.0000	0141.3	057.3	110.8	000.2500	0076.0	013.8	56.39	
198.0	100.0000	0140.8	057.2	110.8	000.2500	0076.0	012.8	57.75	

Exhibit 13.6(b) - Protection to WQLH(FM) - Green Bay, WI

FMOver Analysis

Page # 4

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
199.0	100.0000	0140.4	057.2	110.7	000.2500	0076.0	011.8	59.25
200.0	100.0000	0140.1	057.1	110.6	000.2500	0076.0	010.8	60.86
201.0	100.0000	0139.8	057.1	110.4	000.2500	0076.0	009.8	62.57
202.0	100.0000	0139.4	057.0	109.9	000.2500	0076.0	008.8	64.38
203.0	100.0000	0139.1	057.0	109.3	000.2500	0076.0	007.8	66.28
204.0	100.0000	0138.7	056.9	108.2	000.2500	0076.0	006.8	68.66
205.0	100.0000	0138.2	056.9	106.4	000.2500	0076.0	005.8	71.45
206.0	100.0000	0137.6	056.8	103.6	000.2500	0076.0	004.9	74.60
207.0	100.0000	0137.0	056.7	099.1	000.2500	0076.0	004.0	78.15
208.0	100.0000	0136.4	056.6	091.9	000.2500	0075.4	003.1	82.26
209.0	100.0000	0135.9	056.5	078.9	000.2500	0069.1	002.3	86.90
210.0	100.0000	0135.5	056.5	055.2	000.2500	0078.5	001.7	92.16
211.0	100.0000	0135.4	056.5	020.8	000.2500	0073.1	001.6	92.89
212.0	100.0000	0135.6	056.5	351.5	000.2500	0049.6	002.0	87.04
213.0	100.0000	0136.1	056.6	334.7	000.2500	0050.2	002.7	81.38
214.0	100.0000	0136.4	056.6	325.9	000.2500	0050.9	003.6	76.59
215.0	100.0000	0136.4	056.6	321.2	000.2500	0052.6	004.5	72.87
216.0	100.0000	0136.4	056.6	318.5	000.2500	0053.5	005.5	69.67
217.0	100.0000	0136.2	056.6	317.0	000.2500	0053.9	006.4	66.72
218.0	100.0000	0135.9	056.5	316.1	000.2500	0054.2	007.4	64.30
219.0	100.0000	0135.4	056.5	315.7	000.2500	0054.3	008.4	62.34
220.0	100.0000	0134.7	056.4	315.6	000.2500	0054.3	009.4	60.53
221.0	100.0000	0134.0	056.3	315.7	000.2500	0054.3	010.4	58.79
222.0	100.0000	0133.2	056.1	315.9	000.2500	0054.2	011.4	57.15
223.0	100.0000	0132.3	056.0	316.2	000.2500	0054.2	012.4	55.60
224.0	100.0000	0131.3	055.9	316.6	000.2500	0054.0	013.3	54.17
225.0	100.0000	0130.3	055.7	317.1	000.2500	0053.9	014.3	52.88
226.0	100.0000	0129.5	055.6	317.4	000.2500	0053.8	015.3	52.03
227.0	100.0000	0129.0	055.5	317.7	000.2500	0053.7	016.3	51.17
228.0	100.0000	0128.7	055.5	317.8	000.2500	0053.7	017.2	50.32
229.0	100.0000	0128.5	055.5	317.9	000.2500	0053.7	018.2	49.49
230.0	100.0000	0128.4	055.4	318.1	000.2500	0053.6	019.2	48.66
231.0	100.0000	0128.3	055.4	318.2	000.2500	0053.6	020.1	47.85
232.0	100.0000	0128.4	055.4	318.3	000.2500	0053.6	021.1	47.06
233.0	100.0000	0128.4	055.5	318.5	000.2500	0053.5	022.1	46.28
234.0	100.0000	0128.3	055.4	318.8	000.2500	0053.4	023.0	45.52
235.0	100.0000	0128.0	055.4	319.1	000.2500	0053.3	024.0	44.78
236.0	100.0000	0127.8	055.4	319.4	000.2500	0053.2	024.9	44.07
237.0	100.0000	0127.8	055.4	319.7	000.2500	0053.1	025.9	43.38
238.0	100.0000	0127.8	055.4	320.0	000.2500	0053.0	026.9	42.73
239.0	100.0000	0127.8	055.4	320.3	000.2500	0052.8	027.8	42.10
240.0	100.0000	0127.5	055.3	320.7	000.2500	0052.7	028.8	41.52
241.0	100.0000	0127.2	055.3	321.1	000.2500	0052.6	029.7	40.97
242.0	100.0000	0126.7	055.2	321.5	000.2500	0052.5	030.6	40.47
243.0	100.0000	0126.3	055.2	322.0	000.2500	0052.5	031.6	40.01
244.0	100.0000	0125.9	055.1	322.4	000.2500	0052.4	032.5	39.59
245.0	100.0000	0125.6	055.0	322.8	000.2500	0052.3	033.5	39.18
246.0	100.0000	0125.2	055.0	323.3	000.2500	0052.1	034.4	38.77
247.0	100.0000	0124.8	054.9	323.7	000.2500	0051.9	035.3	38.36
248.0	100.0000	0124.4	054.9	324.2	000.2500	0051.6	036.2	37.94
249.0	100.0000	0123.7	054.8	324.7	000.2500	0051.3	037.1	37.54

Exhibit 13.6(c)

Midwest Communications, Inc.

Protection to AP249D - Appleton, WI

FMCommander Single Allocation Study - 08-14-2013 - NGDC 30 SEC
New's Overlaps (In= 1.09 km, Out= 6.57 km)

New CH 251 D
Lat= 44 11 45.0, Lng= 88 30 28.0
0.25 kW 64.4 M HAAT, 302 M COR
Prot.= 60 dBu, Intef.= 100 dBu

629393 CH 249 D BNPFT20030310BCK
Lat= 44 16 43.0, Lng= 88 23 38.0
0.075 kW 32.1 M HAAT, 262 M COR
Prot.= 60 dBu, Intef.= 100 dBu

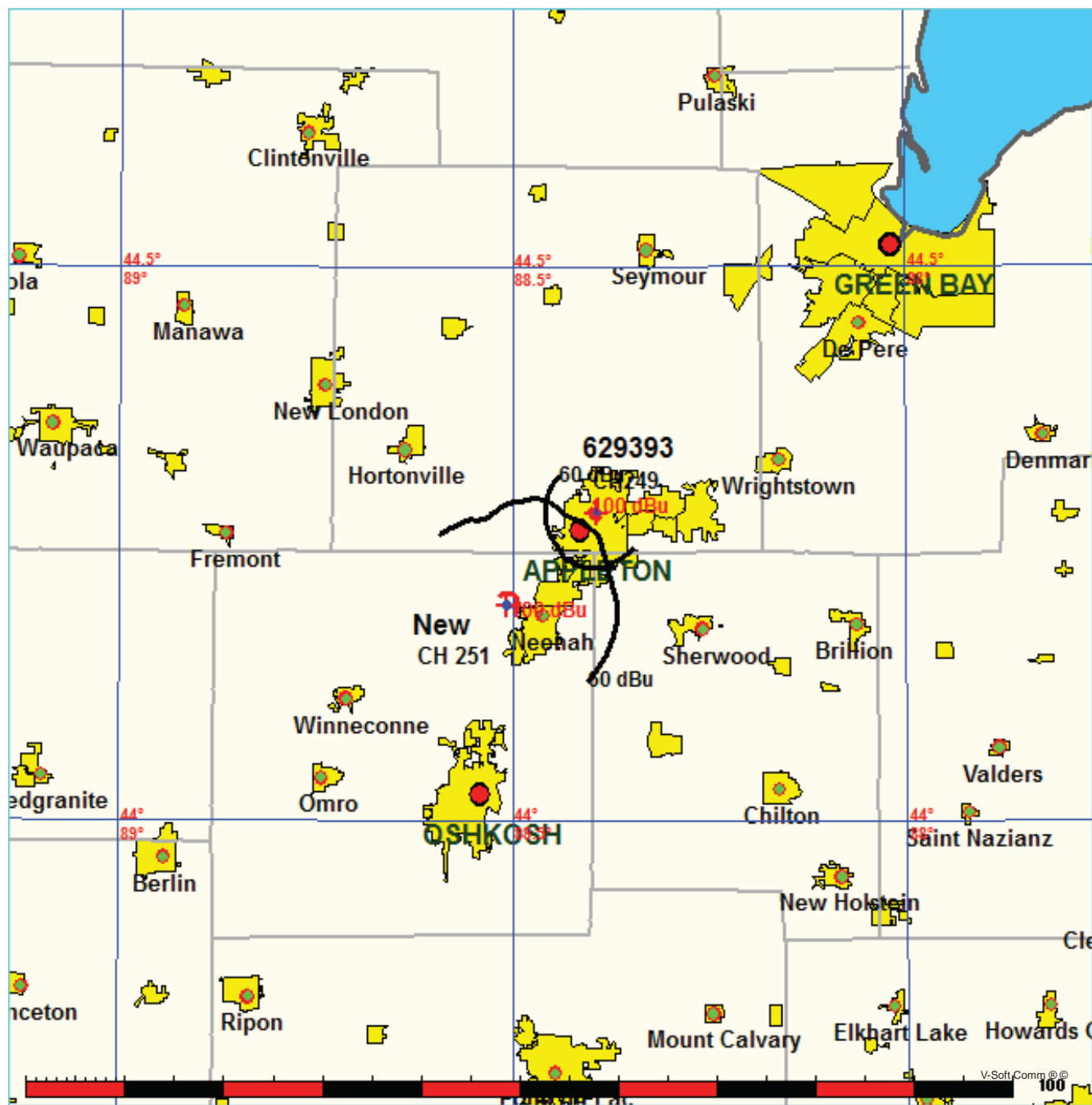


Exhibit 13.6(c) - Protection to AP249D - Appleton, WI

08-14-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

New

629393 BNPFT20030310BCK

Channel = 251D

Max ERP = 0.25 kW

RCAMSL = 302 M

N. Lat. 44 11 45.0

W. Lng. 88 30 28.0

Protected

60 dBu

Channel = 249D

Max ERP = 0.075 kW

RCAMSL = 262 M

N. Lat. 44 16 43.0

W. Lng. 88 23 38.0

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
000.0	000.2500	0057.5	010.0	274.9	000.0237	0018.1	009.1	45.64	
001.0	000.2500	0058.4	010.0	275.5	000.0237	0018.1	008.9	45.95	
002.0	000.2500	0059.3	010.1	276.0	000.0237	0018.0	008.8	46.27	
003.0	000.2500	0059.9	010.2	276.5	000.0237	0017.9	008.6	46.59	
004.0	000.2500	0060.6	010.2	276.8	000.0237	0017.8	008.4	46.92	
005.0	000.2500	0060.9	010.2	277.1	000.0237	0017.7	008.2	47.26	
006.0	000.2500	0061.5	010.3	277.4	000.0237	0017.7	008.1	47.60	
007.0	000.2500	0062.1	010.3	277.8	000.0237	0017.6	007.9	47.96	
008.0	000.2500	0062.6	010.4	278.0	000.0237	0017.6	007.7	48.34	
009.0	000.2500	0063.4	010.4	278.4	000.0237	0017.6	007.5	48.74	
010.0	000.2500	0064.6	010.5	279.1	000.0237	0017.6	007.3	49.16	
011.0	000.2500	0065.9	010.6	279.8	000.0237	0017.7	007.2	49.61	
012.0	000.2500	0067.2	010.7	280.5	000.0237	0018.0	007.0	50.07	
013.0	000.2500	0068.5	010.8	281.2	000.0237	0018.2	006.8	50.55	
014.0	000.2500	0069.7	010.9	281.9	000.0237	0018.4	006.6	51.05	
015.0	000.2500	0070.7	010.9	282.4	000.0237	0018.4	006.4	51.55	
016.0	000.2500	0071.5	011.0	282.8	000.0237	0018.4	006.2	52.08	
017.0	000.2500	0072.0	011.0	283.0	000.0237	0018.4	006.0	52.64	
018.0	000.2500	0072.2	011.0	283.0	000.0237	0018.4	005.8	53.21	
019.0	000.2500	0072.4	011.1	283.0	000.0237	0018.4	005.6	53.79	
020.0	000.2500	0072.7	011.1	283.0	000.0237	0018.4	005.4	54.40	
021.0	000.2500	0073.2	011.1	283.1	000.0237	0018.4	005.2	55.02	
022.0	000.2500	0073.6	011.1	283.1	000.0237	0018.4	005.0	55.66	
023.0	000.2500	0073.6	011.1	282.6	000.0237	0018.4	004.8	56.28	
024.0	000.2500	0073.1	011.1	281.8	000.0237	0018.4	004.7	56.90	
025.0	000.2500	0072.5	011.1	280.7	000.0237	0018.0	004.5	57.54	
026.0	000.2500	0071.9	011.0	279.5	000.0237	0017.7	004.3	58.22	
027.0	000.2500	0071.5	011.0	278.3	000.0237	0017.6	004.1	58.94	
028.0	000.2500	0071.0	011.0	277.0	000.0237	0017.7	004.0	59.69	
029.0	000.2500	0070.4	010.9	275.4	000.0237	0018.1	003.8	60.41	
030.0	000.2500	0069.6	010.9	273.3	000.0237	0018.3	003.7	61.12	
031.0	000.2500	0068.8	010.8	271.1	000.0237	0019.1	003.5	61.80	
032.0	000.2500	0068.1	010.8	268.8	000.0244	0020.3	003.4	62.60	
033.0	000.2500	0067.6	010.7	266.5	000.0258	0020.6	003.2	63.54	
034.0	000.2500	0067.6	010.7	264.3	000.0271	0020.3	003.1	64.55	
035.0	000.2500	0067.9	010.7	262.3	000.0284	0019.8	002.9	65.67	

Exhibit 13.6(c) - Protection to AP249D - Appleton, WI

FMOver Analysis

Page # 2

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
036.0	000.2500	0068.4	010.8	260.2	000.0298	0019.5	002.8	66.91
037.0	000.2500	0069.1	010.8	258.0	000.0314	0018.7	002.6	68.30
038.0	000.2500	0070.0	010.9	255.5	000.0332	0017.4	002.5	69.80
039.0	000.2500	0070.9	011.0	252.7	000.0355	0016.6	002.3	71.35
040.0	000.2500	0071.8	011.0	249.2	000.0391	0017.7	002.1	73.02
041.0	000.2500	0072.7	011.1	245.3	000.0473	0021.2	002.0	75.08
042.0	000.2500	0073.6	011.1	240.7	000.0579	0022.4	001.9	77.11
043.0	000.2500	0074.3	011.2	235.1	000.0668	0021.9	001.8	78.60
044.0	000.2500	0074.7	011.2	228.9	000.0750	0025.8	001.7	79.60
045.0	000.2500	0075.0	011.2	222.4	000.0750	0031.1	001.7	80.11
046.0	000.2500	0075.4	011.3	215.7	000.0750	0035.3	001.7	81.29
047.0	000.2500	0075.9	011.3	209.0	000.0750	0034.8	001.7	81.01
048.0	000.2500	0076.6	011.3	202.3	000.0750	0034.2	001.7	80.60
049.0	000.2500	0077.6	011.4	195.7	000.0750	0034.7	001.8	80.31
050.0	000.2500	0078.6	011.5	189.3	000.0750	0034.7	001.8	79.74
051.0	000.2500	0079.7	011.6	183.4	000.0750	0034.6	001.9	78.92
052.0	000.2500	0080.4	011.6	178.7	000.0750	0034.3	002.1	77.74
053.0	000.2500	0080.4	011.6	175.7	000.0750	0034.3	002.2	76.32
054.0	000.2500	0079.8	011.6	174.0	000.0750	0034.3	002.4	74.75
055.0	000.2500	0078.7	011.5	173.1	000.0750	0034.3	002.6	73.17
056.0	000.2500	0077.7	011.4	172.5	000.0750	0034.3	002.8	71.70
057.0	000.2500	0076.7	011.3	172.0	000.0750	0034.2	003.0	70.37
058.0	000.2500	0075.8	011.3	171.5	000.0750	0034.1	003.3	69.22
059.0	000.2500	0075.0	011.2	171.0	000.0750	0034.1	003.5	68.17
060.0	000.2500	0074.3	011.2	170.6	000.0750	0034.0	003.7	67.17
061.0	000.2500	0073.7	011.1	170.2	000.0750	0033.9	003.9	66.22
062.0	000.2500	0073.1	011.1	169.9	000.0750	0033.9	004.0	65.33
063.0	000.2500	0072.7	011.1	169.5	000.0750	0033.8	004.2	64.49
064.0	000.2500	0072.2	011.0	169.3	000.0750	0033.8	004.4	63.70
065.0	000.2500	0071.6	011.0	169.1	000.0750	0033.8	004.6	62.97
066.0	000.2500	0071.1	011.0	169.0	000.0750	0033.7	004.8	62.29
067.0	000.2500	0070.6	010.9	168.9	000.0750	0033.7	005.0	61.64
068.0	000.2500	0070.3	010.9	168.7	000.0750	0033.6	005.2	61.01
069.0	000.2500	0070.1	010.9	168.5	000.0750	0033.6	005.4	60.38
070.0	000.2500	0069.9	010.9	168.4	000.0750	0033.6	005.6	59.77
071.0	000.2500	0069.5	010.9	168.3	000.0750	0033.6	005.8	59.17
072.0	000.2500	0069.2	010.8	168.3	000.0750	0033.6	006.0	58.59
073.0	000.2500	0069.0	010.8	168.3	000.0750	0033.5	006.2	58.04
074.0	000.2500	0069.0	010.8	168.1	000.0750	0033.5	006.4	57.51
075.0	000.2500	0069.1	010.8	168.0	000.0750	0033.5	006.5	56.99
076.0	000.2500	0069.2	010.8	167.9	000.0750	0033.4	006.7	56.50
077.0	000.2500	0069.2	010.8	167.8	000.0750	0033.4	006.9	56.01
078.0	000.2500	0069.1	010.8	167.9	000.0750	0033.4	007.1	55.54
079.0	000.2500	0069.1	010.8	167.9	000.0750	0033.4	007.3	55.09
080.0	000.2500	0069.2	010.8	167.9	000.0750	0033.4	007.5	54.65
081.0	000.2500	0069.4	010.8	167.9	000.0750	0033.4	007.7	54.23
082.0	000.2500	0069.8	010.9	167.7	000.0750	0033.4	007.9	53.81
083.0	000.2500	0070.3	010.9	167.6	000.0750	0033.4	008.1	53.42
084.0	000.2500	0070.8	010.9	167.5	000.0750	0033.3	008.3	53.04
085.0	000.2500	0071.5	011.0	167.3	000.0750	0033.3	008.4	52.66
086.0	000.2500	0072.3	011.0	167.2	000.0750	0033.2	008.6	52.27

Exhibit 13.6(c) - Protection to AP249D - Appleton, WI

08-14-2013

Terrain Data: NGDC 30 SEC

FMOVer Analysis

629393 BNPFT20030310BCK

New

Channel = 249D

Max ERP = 0.075 kW

RCAMSL = 262 M

N. Lat. 44 16 43.0

W. Lng. 88 23 38.0

Protected

60 dBu

Channel = 251D

Max ERP = 0.25 kW

RCAMSL = 302 M

N. Lat. 44 11 45.0

W. Lng. 88 30 28.0

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
180.0	000.0750	0034.4	005.6	068.3	000.2500	0070.3	009.8	61.96	
181.0	000.0750	0034.5	005.6	068.1	000.2500	0070.3	009.7	62.13	
182.0	000.0750	0034.5	005.6	067.9	000.2500	0070.4	009.6	62.30	
183.0	000.0750	0034.6	005.6	067.6	000.2500	0070.4	009.5	62.46	
184.0	000.0750	0034.6	005.6	067.4	000.2500	0070.5	009.4	62.63	
185.0	000.0750	0034.7	005.6	067.2	000.2500	0070.6	009.3	62.80	
186.0	000.0750	0034.7	005.6	066.9	000.2500	0070.7	009.2	62.97	
187.0	000.0750	0034.7	005.6	066.6	000.2500	0070.8	009.1	63.14	
188.0	000.0750	0034.7	005.6	066.3	000.2500	0070.9	009.1	63.31	
189.0	000.0750	0034.7	005.6	065.9	000.2500	0071.1	009.0	63.48	
190.0	000.0750	0034.7	005.6	065.6	000.2500	0071.3	008.9	63.65	
191.0	000.0750	0034.7	005.6	065.2	000.2500	0071.5	008.8	63.82	
192.0	000.0750	0034.7	005.6	064.8	000.2500	0071.7	008.7	63.99	
193.0	000.0750	0034.7	005.6	064.4	000.2500	0071.9	008.7	64.16	
194.0	000.0750	0034.7	005.6	064.0	000.2500	0072.2	008.6	64.32	
195.0	000.0750	0034.7	005.6	063.6	000.2500	0072.4	008.5	64.49	
196.0	000.0750	0034.7	005.6	063.1	000.2500	0072.6	008.4	64.65	
197.0	000.0750	0034.7	005.6	062.7	000.2500	0072.8	008.4	64.81	
198.0	000.0750	0034.7	005.6	062.2	000.2500	0073.0	008.3	64.96	
199.0	000.0750	0034.6	005.6	061.7	000.2500	0073.3	008.2	65.12	
200.0	000.0750	0034.5	005.6	061.2	000.2500	0073.6	008.2	65.26	
201.0	000.0750	0034.4	005.6	060.6	000.2500	0074.0	008.1	65.41	
202.0	000.0750	0034.3	005.6	060.0	000.2500	0074.3	008.1	65.55	
203.0	000.0750	0034.2	005.6	059.4	000.2500	0074.7	008.0	65.70	
204.0	000.0750	0034.1	005.6	058.8	000.2500	0075.1	008.0	65.85	
205.0	000.0750	0034.1	005.6	058.3	000.2500	0075.6	007.9	66.01	
206.0	000.0750	0034.1	005.6	057.7	000.2500	0076.1	007.9	66.16	
207.0	000.0750	0034.1	005.6	057.1	000.2500	0076.6	007.8	66.34	
208.0	000.0750	0034.4	005.6	056.5	000.2500	0077.1	007.7	66.55	
209.0	000.0750	0034.8	005.6	056.0	000.2500	0077.7	007.7	66.76	
210.0	000.0750	0035.1	005.6	055.4	000.2500	0078.3	007.6	66.98	
211.0	000.0750	0035.4	005.7	054.8	000.2500	0079.0	007.5	67.19	
212.0	000.0750	0035.6	005.7	054.2	000.2500	0079.6	007.5	67.39	

Exhibit 13.6(c) - Protection to AP249D - Appleton, WI

FMOver Analysis

Page # 4

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
213.0	000.0750	0035.7	005.7	053.5	000.2500	0080.2	007.4	67.56
214.0	000.0750	0035.7	005.7	052.7	000.2500	0080.4	007.4	67.66
215.0	000.0750	0035.5	005.7	052.0	000.2500	0080.4	007.4	67.70
216.0	000.0750	0035.2	005.7	051.2	000.2500	0079.9	007.4	67.66
217.0	000.0750	0034.7	005.6	050.4	000.2500	0079.1	007.4	67.53
218.0	000.0750	0034.0	005.6	049.6	000.2500	0078.1	007.4	67.35
219.0	000.0750	0033.3	005.5	048.8	000.2500	0077.3	007.5	67.16
220.0	000.0750	0032.6	005.4	048.0	000.2500	0076.6	007.5	66.99
221.0	000.0750	0032.0	005.4	047.2	000.2500	0076.1	007.5	66.85
222.0	000.0750	0031.4	005.3	046.5	000.2500	0075.6	007.6	66.70
223.0	000.0750	0030.5	005.3	045.7	000.2500	0075.3	007.7	66.53
224.0	000.0750	0029.5	005.2	045.0	000.2500	0075.0	007.7	66.41
225.0	000.0750	0028.6	005.2	044.4	000.2500	0074.8	007.7	66.39
226.0	000.0750	0027.7	005.2	043.7	000.2500	0074.6	007.7	66.35
227.0	000.0750	0027.0	005.2	043.0	000.2500	0074.3	007.7	66.31
228.0	000.0750	0026.3	005.2	042.3	000.2500	0073.9	007.7	66.24
229.0	000.0750	0025.7	005.2	041.7	000.2500	0073.3	007.7	66.16
230.0	000.0750	0025.2	005.2	041.0	000.2500	0072.7	007.7	66.05
231.0	000.0750	0024.5	005.2	040.3	000.2500	0072.1	007.7	65.94
232.0	000.0750	0023.8	005.2	039.7	000.2500	0071.5	007.8	65.83
233.0	000.0750	0023.1	005.2	039.0	000.2500	0070.9	007.8	65.72
234.0	000.0750	0022.4	005.2	038.4	000.2500	0070.3	007.8	65.61
235.0	000.0750	0022.0	005.2	037.7	000.2500	0069.8	007.8	65.48
236.0	000.0750	0021.8	005.2	037.1	000.2500	0069.2	007.9	65.36
237.0	000.0750	0022.0	005.2	036.5	000.2500	0068.7	007.9	65.23
238.0	000.0750	0022.4	005.2	035.8	000.2500	0068.3	007.9	65.12
239.0	000.0750	0022.7	005.2	035.2	000.2500	0068.0	008.0	65.01
240.0	000.0750	0022.6	005.2	034.6	000.2500	0067.7	008.0	64.90
241.0	000.0750	0022.3	005.2	034.0	000.2500	0067.6	008.0	64.81
242.0	000.0750	0022.1	005.2	033.5	000.2500	0067.6	008.1	64.73
243.0	000.0750	0021.9	005.2	032.9	000.2500	0067.7	008.1	64.65
244.0	000.0750	0021.8	005.2	032.4	000.2500	0067.9	008.2	64.59
245.0	000.0750	0021.4	005.2	031.8	000.2500	0068.2	008.2	64.54
246.0	000.0750	0020.6	005.2	031.3	000.2500	0068.6	008.3	64.49
247.0	000.0750	0019.7	005.2	030.8	000.2500	0069.0	008.3	64.43
248.0	000.0750	0018.7	005.2	030.3	000.2500	0069.4	008.4	64.38
249.0	000.0750	0017.8	005.2	029.8	000.2500	0069.8	008.4	64.32
250.0	000.0750	0017.2	005.2	029.3	000.2500	0070.2	008.5	64.26
251.0	000.0750	0016.8	005.2	028.9	000.2500	0070.5	008.6	64.18
252.0	000.0750	0016.5	005.2	028.4	000.2500	0070.8	008.6	64.10
253.0	000.0750	0016.6	005.2	028.0	000.2500	0071.1	008.7	64.01
254.0	000.0750	0016.8	005.2	027.6	000.2500	0071.3	008.8	63.91
255.0	000.0750	0017.2	005.2	027.1	000.2500	0071.4	008.8	63.81
256.0	000.0750	0017.7	005.2	026.8	000.2500	0071.6	008.9	63.70
257.0	000.0750	0018.2	005.2	026.4	000.2500	0071.7	009.0	63.59
258.0	000.0750	0018.7	005.2	026.0	000.2500	0071.9	009.0	63.47
259.0	000.0750	0019.1	005.2	025.7	000.2500	0072.1	009.1	63.36
260.0	000.0750	0019.5	005.2	025.3	000.2500	0072.3	009.2	63.25
261.0	000.0750	0019.7	005.2	025.0	000.2500	0072.5	009.3	63.14
262.0	000.0750	0019.7	005.2	024.7	000.2500	0072.7	009.3	63.02
263.0	000.0750	0019.9	005.2	024.4	000.2500	0072.9	009.4	62.90

Exhibit 13.6(d)

Midwest Communications, Inc.

Protection to WSPT(FM) - Stevens Point, WI

FMCommander Single Allocation Study - 08-14-2013 - NGDC 30 SEC

New's Overlaps (In= 4.1 km, Out= 29.49 km)

New CH 251 D

Lat= 44 11 45.0, Lng= 88 30 28.0

0.25 kW 64.4 M HAAT, 302 M COR

Prot.= 60 dBu, Intef.= 54 dBu

WSPT CH 250 C1 BLH19961015KB

Lat= 44 32 17.0, Lng= 89 35 43.0

100.0 kW 103 M HAAT, 436 M COR

Prot.= 60 dBu, Intef.= 54 dBu

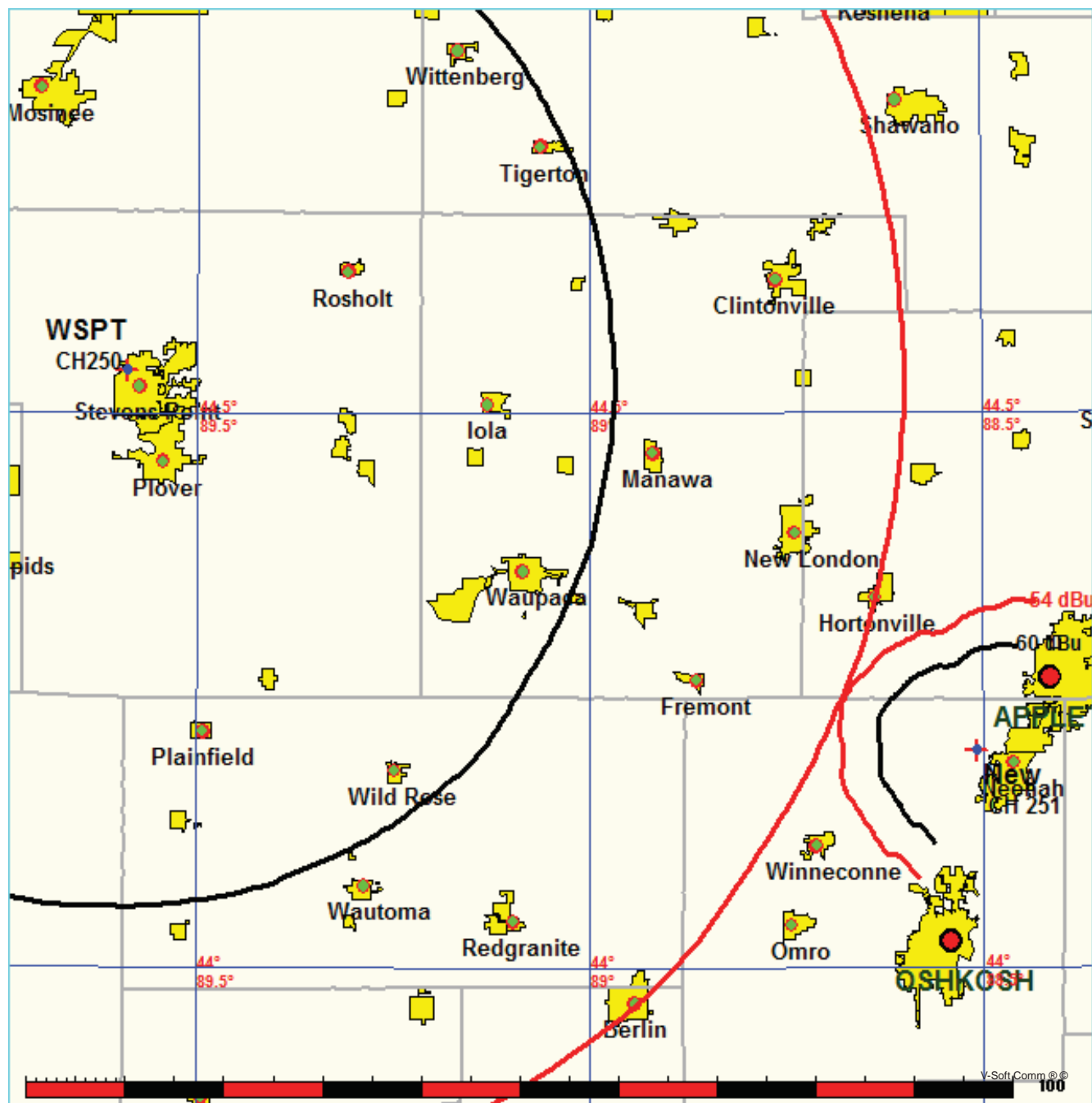


Exhibit 13.6(d) - Protection to WSPT(FM) - Stevens Point, WI

08-14-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

New

WSPT BLH19961015KB

Channel = 251D
Max ERP = 0.25 kW
RCAMSL = 302 M
N. Lat. 44 11 45.0
W. Lng. 88 30 28.0
Protected
60 dBu

Channel = 250C1
Max ERP = 100 kW
RCAMSL = 436 M
N. Lat. 44 32 17.0
W. Lng. 89 35 43.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
249.0	000.2500	0055.8	009.8	117.9	100.0000	0100.1	087.8	51.92	
250.0	000.2500	0056.4	009.9	117.9	100.0000	0100.1	087.6	51.96	
251.0	000.2500	0057.0	009.9	117.8	100.0000	0100.0	087.4	52.00	
252.0	000.2500	0057.5	010.0	117.8	100.0000	0100.0	087.3	52.05	
253.0	000.2500	0058.1	010.0	117.7	100.0000	0100.0	087.1	52.09	
254.0	000.2500	0058.3	010.0	117.6	100.0000	0100.0	087.0	52.13	
255.0	000.2500	0058.4	010.0	117.6	100.0000	0100.0	086.9	52.16	
256.0	000.2500	0058.4	010.0	117.5	100.0000	0100.0	086.8	52.19	
257.0	000.2500	0058.3	010.0	117.4	100.0000	0099.9	086.6	52.22	
258.0	000.2500	0058.3	010.0	117.3	100.0000	0099.9	086.5	52.25	
259.0	000.2500	0058.1	010.0	117.2	100.0000	0099.9	086.4	52.28	
260.0	000.2500	0057.7	010.0	117.1	100.0000	0099.9	086.3	52.30	
261.0	000.2500	0057.3	010.0	117.0	100.0000	0099.8	086.3	52.32	
262.0	000.2500	0056.9	009.9	116.9	100.0000	0099.8	086.2	52.34	
263.0	000.2500	0056.4	009.9	116.8	100.0000	0099.8	086.1	52.36	
264.0	000.2500	0056.1	009.9	116.7	100.0000	0099.8	086.1	52.38	
265.0	000.2500	0055.9	009.8	116.6	100.0000	0099.7	086.0	52.40	
266.0	000.2500	0055.7	009.8	116.5	100.0000	0099.7	085.9	52.42	
267.0	000.2500	0055.5	009.8	116.4	100.0000	0099.7	085.8	52.43	
268.0	000.2500	0055.3	009.8	116.3	100.0000	0099.7	085.8	52.45	
269.0	000.2500	0055.1	009.8	116.1	100.0000	0099.6	085.7	52.47	
270.0	000.2500	0054.9	009.7	116.0	100.0000	0099.6	085.6	52.48	
271.0	000.2500	0054.6	009.7	115.9	100.0000	0099.6	085.6	52.50	
272.0	000.2500	0054.4	009.7	115.8	100.0000	0099.5	085.5	52.51	
273.0	000.2500	0055.2	009.8	115.7	100.0000	0099.5	085.4	52.55	
274.0	000.2500	0056.2	009.9	115.7	100.0000	0099.5	085.2	52.59	
275.0	000.2500	0057.2	010.0	115.6	100.0000	0099.5	085.1	52.63	
276.0	000.2500	0058.1	010.0	115.5	100.0000	0099.4	085.0	52.66	
277.0	000.2500	0058.8	010.1	115.4	100.0000	0099.4	084.9	52.69	
278.0	000.2500	0059.2	010.1	115.3	100.0000	0099.4	084.8	52.72	
279.0	000.2500	0059.4	010.1	115.2	100.0000	0099.3	084.7	52.73	
280.0	000.2500	0059.4	010.1	115.0	100.0000	0099.3	084.6	52.74	
281.0	000.2500	0059.5	010.1	114.9	100.0000	0099.3	084.6	52.76	
282.0	000.2500	0059.8	010.2	114.8	100.0000	0099.2	084.5	52.77	
283.0	000.2500	0060.2	010.2	114.7	100.0000	0099.2	084.5	52.79	
284.0	000.2500	0060.6	010.2	114.6	100.0000	0099.2	084.4	52.81	

Exhibit 13.6(d) - Protection to WSPT(FM) - Stevens Point, WI

FMOver Analysis

Page # 2

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
285.0	000.2500	0060.8	010.2	114.5	100.0000	0099.1	084.3	52.82
286.0	000.2500	0061.2	010.3	114.4	100.0000	0099.1	084.3	52.83
287.0	000.2500	0062.0	010.3	114.2	100.0000	0099.1	084.2	52.86
288.0	000.2500	0062.7	010.4	114.1	100.0000	0099.0	084.1	52.88
289.0	000.2500	0063.1	010.4	114.0	100.0000	0099.0	084.1	52.89
290.0	000.2500	0062.8	010.4	113.9	100.0000	0099.0	084.1	52.89
291.0	000.2500	0062.4	010.4	113.8	100.0000	0098.9	084.1	52.88
292.0	000.2500	0061.9	010.3	113.6	100.0000	0098.9	084.1	52.87
293.0	000.2500	0061.7	010.3	113.5	100.0000	0098.9	084.1	52.87
294.0	000.2500	0061.4	010.3	113.4	100.0000	0098.9	084.2	52.86
295.0	000.2500	0061.0	010.2	113.3	100.0000	0098.8	084.2	52.85
296.0	000.2500	0060.4	010.2	113.1	100.0000	0098.8	084.2	52.84
297.0	000.2500	0059.9	010.2	113.0	100.0000	0098.8	084.3	52.82
298.0	000.2500	0059.5	010.1	112.9	100.0000	0098.8	084.3	52.81
299.0	000.2500	0059.1	010.1	112.8	100.0000	0098.8	084.4	52.80
300.0	000.2500	0058.5	010.1	112.7	100.0000	0098.8	084.4	52.78
301.0	000.2500	0057.8	010.0	112.6	100.0000	0098.8	084.5	52.76
302.0	000.2500	0057.2	010.0	112.4	100.0000	0098.8	084.6	52.74
303.0	000.2500	0056.7	009.9	112.3	100.0000	0098.8	084.7	52.72
304.0	000.2500	0056.0	009.9	112.2	100.0000	0098.8	084.7	52.69
305.0	000.2500	0055.2	009.8	112.1	100.0000	0098.8	084.9	52.66
306.0	000.2500	0054.6	009.7	112.0	100.0000	0098.8	084.9	52.64
307.0	000.2500	0054.4	009.7	111.9	100.0000	0098.9	085.0	52.62
308.0	000.2500	0054.6	009.7	111.8	100.0000	0098.9	085.0	52.62
309.0	000.2500	0054.8	009.7	111.7	100.0000	0098.9	085.1	52.61
310.0	000.2500	0054.7	009.7	111.6	100.0000	0098.9	085.1	52.60
311.0	000.2500	0054.4	009.7	111.5	100.0000	0099.0	085.2	52.57
312.0	000.2500	0054.0	009.7	111.4	100.0000	0099.0	085.3	52.55
313.0	000.2500	0054.0	009.7	111.3	100.0000	0099.0	085.3	52.53
314.0	000.2500	0054.2	009.7	111.2	100.0000	0099.0	085.4	52.52
315.0	000.2500	0054.4	009.7	111.1	100.0000	0099.0	085.4	52.51
316.0	000.2500	0054.2	009.7	111.0	100.0000	0099.0	085.5	52.49
317.0	000.2500	0053.9	009.7	110.9	100.0000	0099.0	085.6	52.46
318.0	000.2500	0053.6	009.6	110.8	100.0000	0099.0	085.7	52.43
319.0	000.2500	0053.3	009.6	110.7	100.0000	0099.0	085.8	52.40
320.0	000.2500	0052.9	009.6	110.6	100.0000	0099.0	085.9	52.37
321.0	000.2500	0052.6	009.5	110.5	100.0000	0099.0	086.0	52.34
322.0	000.2500	0052.5	009.5	110.4	100.0000	0099.0	086.1	52.32
323.0	000.2500	0052.2	009.5	110.3	100.0000	0099.0	086.2	52.29
324.0	000.2500	0051.7	009.4	110.3	100.0000	0099.0	086.4	52.25
325.0	000.2500	0051.2	009.4	110.2	100.0000	0099.0	086.5	52.21
326.0	000.2500	0050.9	009.4	110.1	100.0000	0098.9	086.6	52.18
327.0	000.2500	0051.0	009.4	110.0	100.0000	0098.9	086.7	52.15
328.0	000.2500	0051.0	009.4	109.9	100.0000	0098.9	086.8	52.13
329.0	000.2500	0050.7	009.3	109.9	100.0000	0098.9	086.9	52.09
330.0	000.2500	0050.4	009.3	109.8	100.0000	0098.9	087.1	52.06
331.0	000.2500	0050.3	009.3	109.7	100.0000	0098.8	087.2	52.02
332.0	000.2500	0050.2	009.3	109.6	100.0000	0098.8	087.3	51.99
333.0	000.2500	0050.2	009.3	109.6	100.0000	0098.8	087.4	51.96
334.0	000.2500	0050.2	009.3	109.5	100.0000	0098.8	087.5	51.93
335.0	000.2500	0050.2	009.3	109.4	100.0000	0098.7	087.6	51.90

Exhibit 13.6(d) - Protection to WSPT(FM) - Stevens Point, WI

08-14-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

WSPT BLH19961015KB

New

Channel = 250C1

Max ERP = 100 kW

RCAMSL = 436 M

N. Lat. 44 32 17.0

W. Lng. 89 35 43.0

Protected

60 dBu

Channel = 251D

Max ERP = 0.25 kW

RCAMSL = 302 M

N. Lat. 44 11 45.0

W. Lng. 88 30 28.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
068.0	100.0000	0095.9	050.1	325.0	000.2500	0051.2	069.5	27.91	
069.0	100.0000	0095.8	050.1	324.8	000.2500	0051.2	068.6	28.13	
070.0	100.0000	0095.9	050.1	324.7	000.2500	0051.3	067.8	28.34	
071.0	100.0000	0095.9	050.1	324.4	000.2500	0051.5	067.0	28.56	
072.0	100.0000	0095.8	050.1	324.2	000.2500	0051.6	066.1	28.77	
073.0	100.0000	0095.5	050.0	323.9	000.2500	0051.8	065.3	28.99	
074.0	100.0000	0095.2	049.9	323.6	000.2500	0052.0	064.5	29.20	
075.0	100.0000	0094.9	049.9	323.2	000.2500	0052.1	063.8	29.41	
076.0	100.0000	0094.8	049.9	322.9	000.2500	0052.3	063.0	29.62	
077.0	100.0000	0094.6	049.8	322.6	000.2500	0052.4	062.2	29.84	
078.0	100.0000	0094.7	049.9	322.2	000.2500	0052.4	061.4	30.05	
079.0	100.0000	0095.0	049.9	321.9	000.2500	0052.5	060.6	30.27	
080.0	100.0000	0095.2	049.9	321.5	000.2500	0052.5	059.8	30.50	
081.0	100.0000	0095.3	050.0	321.1	000.2500	0052.6	059.0	30.72	
082.0	100.0000	0095.2	050.0	320.7	000.2500	0052.7	058.3	30.94	
083.0	100.0000	0095.0	049.9	320.2	000.2500	0052.9	057.6	31.16	
084.0	100.0000	0094.6	049.8	319.6	000.2500	0053.1	056.9	31.38	
085.0	100.0000	0094.3	049.8	319.1	000.2500	0053.3	056.2	31.60	
086.0	100.0000	0094.5	049.8	318.6	000.2500	0053.5	055.5	31.83	
087.0	100.0000	0094.7	049.8	318.0	000.2500	0053.6	054.8	32.06	
088.0	100.0000	0094.9	049.9	317.5	000.2500	0053.8	054.1	32.28	
089.0	100.0000	0095.1	049.9	316.9	000.2500	0054.0	053.5	32.51	
090.0	100.0000	0095.4	050.0	316.3	000.2500	0054.1	052.8	32.73	
091.0	100.0000	0095.8	050.1	315.7	000.2500	0054.3	052.1	32.95	
092.0	100.0000	0096.1	050.1	315.0	000.2500	0054.4	051.5	33.16	
093.0	100.0000	0095.9	050.1	314.2	000.2500	0054.3	050.9	33.32	
094.0	100.0000	0095.7	050.0	313.5	000.2500	0054.1	050.4	33.45	
095.0	100.0000	0095.5	050.0	312.6	000.2500	0054.0	049.9	33.59	
096.0	100.0000	0095.7	050.0	311.9	000.2500	0054.1	049.3	33.77	
097.0	100.0000	0095.9	050.1	311.0	000.2500	0054.4	048.8	33.96	
098.0	100.0000	0096.1	050.1	310.2	000.2500	0054.7	048.3	34.16	
099.0	100.0000	0096.1	050.1	309.3	000.2500	0054.8	047.9	34.31	
100.0	100.0000	0095.9	050.1	308.4	000.2500	0054.7	047.5	34.41	

Exhibit 13.6(d) - Protection to WSPT(FM) - Stevens Point, WI

FMOver Analysis

Page # 4

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
101.0	100.0000	0096.0	050.1	307.4	000.2500	0054.4	047.1	34.51
102.0	100.0000	0096.1	050.1	306.4	000.2500	0054.4	046.7	34.62
103.0	100.0000	0096.2	050.1	305.5	000.2500	0054.9	046.3	34.80
104.0	100.0000	0096.5	050.2	304.5	000.2500	0055.6	045.9	35.02
105.0	100.0000	0096.9	050.3	303.5	000.2500	0056.4	045.6	35.23
106.0	100.0000	0097.3	050.4	302.4	000.2500	0057.0	045.2	35.41
107.0	100.0000	0097.7	050.4	301.4	000.2500	0057.6	044.9	35.58
108.0	100.0000	0098.1	050.5	300.3	000.2500	0058.3	044.7	35.76
109.0	100.0000	0098.6	050.6	299.2	000.2500	0059.0	044.4	35.93
110.0	100.0000	0098.9	050.7	298.1	000.2500	0059.5	044.2	36.06
111.0	100.0000	0099.0	050.7	297.0	000.2500	0059.9	044.1	36.15
112.0	100.0000	0098.8	050.7	295.8	000.2500	0060.5	044.1	36.23
113.0	100.0000	0098.8	050.6	294.7	000.2500	0061.1	044.0	36.31
114.0	100.0000	0099.0	050.7	293.5	000.2500	0061.5	044.0	36.37
115.0	100.0000	0099.3	050.7	292.3	000.2500	0061.8	044.0	36.40
116.0	100.0000	0099.6	050.8	291.2	000.2500	0062.3	044.0	36.45
117.0	100.0000	0099.8	050.8	290.0	000.2500	0062.8	044.0	36.50
118.0	100.0000	0100.1	050.9	288.9	000.2500	0063.1	044.1	36.49
119.0	100.0000	0100.4	050.9	287.7	000.2500	0062.6	044.2	36.40
120.0	100.0000	0100.6	051.0	286.6	000.2500	0061.7	044.4	36.25
121.0	100.0000	0100.8	051.0	285.5	000.2500	0060.9	044.6	36.10
122.0	100.0000	0101.1	051.1	284.4	000.2500	0060.7	044.8	36.00
123.0	100.0000	0101.3	051.1	283.3	000.2500	0060.3	045.0	35.87
124.0	100.0000	0101.6	051.2	282.2	000.2500	0059.9	045.3	35.73
125.0	100.0000	0101.8	051.2	281.1	000.2500	0059.5	045.6	35.58
126.0	100.0000	0102.2	051.3	280.1	000.2500	0059.4	045.9	35.46
127.0	100.0000	0102.7	051.4	279.0	000.2500	0059.4	046.3	35.36
128.0	100.0000	0103.3	051.5	278.0	000.2500	0059.2	046.6	35.22
129.0	100.0000	0104.0	051.6	277.0	000.2500	0058.8	047.0	35.06
130.0	100.0000	0104.8	051.8	276.0	000.2500	0058.1	047.4	34.86
131.0	100.0000	0105.8	051.9	275.0	000.2500	0057.2	047.7	34.63
132.0	100.0000	0106.9	052.1	274.0	000.2500	0056.2	048.1	34.39
133.0	100.0000	0107.9	052.3	273.0	000.2500	0055.2	048.6	34.13
134.0	100.0000	0108.8	052.5	272.1	000.2500	0054.5	049.1	33.89
135.0	100.0000	0109.5	052.6	271.2	000.2500	0054.6	049.6	33.75
136.0	100.0000	0110.2	052.7	270.4	000.2500	0054.8	050.2	33.60
137.0	100.0000	0110.9	052.8	269.5	000.2500	0055.0	050.8	33.44
138.0	100.0000	0111.6	052.9	268.8	000.2500	0055.1	051.4	33.27
139.0	100.0000	0111.9	053.0	268.1	000.2500	0055.3	052.1	33.08
140.0	100.0000	0111.8	053.0	267.5	000.2500	0055.5	052.8	32.87
141.0	100.0000	0111.7	052.9	266.9	000.2500	0055.5	053.6	32.64
142.0	100.0000	0111.5	052.9	266.4	000.2500	0055.6	054.3	32.42
143.0	100.0000	0111.5	052.9	265.8	000.2500	0055.7	055.1	32.19
144.0	100.0000	0111.5	052.9	265.3	000.2500	0055.8	055.9	31.96
145.0	100.0000	0111.6	052.9	264.8	000.2500	0055.9	056.7	31.74
146.0	100.0000	0111.9	053.0	264.4	000.2500	0056.0	057.5	31.51
147.0	100.0000	0112.2	053.0	263.9	000.2500	0056.1	058.3	31.28
148.0	100.0000	0112.5	053.1	263.5	000.2500	0056.2	059.1	31.06
149.0	100.0000	0112.8	053.1	263.1	000.2500	0056.4	059.9	30.83
150.0	100.0000	0112.9	053.1	262.7	000.2500	0056.5	060.8	30.61
151.0	100.0000	0112.9	053.1	262.4	000.2500	0056.7	061.6	30.38